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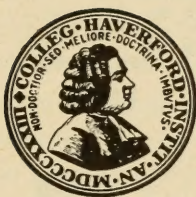


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# HAVERFORD COLLEGE

## BULLETIN



DIRECTORY

VOLUME XLVI

NUMBER ONE

October 1947



1947																												
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College Days in heavy-faced type.

Entered as second-class matter November 2, 1944 at the Post Office of Haverford, Pa., under the act of August 24, 1912.

184406  
9-17-51

## CALENDAR

1947-1948

Registration of all new students.....	Sept. 22-23
Beginning of College year with Assembly, 9 A.M.; registration of returning students.....	Sept. 24
First semester classes begin 8 A.M.....	Sept. 25
Thanksgiving recess (dates inclusive).....	Nov. 27-30
First quarter ends.....	Nov. 26
Christmas recess (dates inclusive).....	Dec. 21-Jan. 4
First semester classes in major subjects end for students taking comprehensives.....	Jan. 17
Senior comprehensive examinations (dates inclusive)...	Jan. 21-24
First semester classes end (except for graduating seniors in major subjects).....	Jan. 22
Mid-year examinations (dates inclusive).....	Jan. 26-Feb. 7
Second semester begins with registration of all new students, 9 A.M.; approved second semester programs of returning students must be filed by 5 P.M.....	Feb. 9
Second semester classes begin, 8 A.M.; assembly for all students, 11 A.M.....	Feb. 10
Third quarter ends .....	Mar. 27
Spring recess (dates inclusive).....	Mar. 28-Apr. 4
Second semester classes in major subjects end for students taking comprehensives.....	May 20
Senior comprehensive examinations (dates inclusive)...	May 24-27
Second semester classes end (except for graduating seniors in major subjects).....	May 27
Final examinations (dates inclusive).....	May 31-June 11
Commencement.....	June 12



# STUDENT ACTIVITIES CALENDAR

1947-48

- October 4:      Football: Susquehanna (Home)  
                  Soccer: Drexel (Home)  
                  Freshman Dance (Bryn Mawr)
- October 18:    Football: Drexel (Home)  
                  Sub-Freshman Day  
                  Sophomore Dance
- October 22:    Founders Club Freshman Reception
- November 1:   Football: Wesleyan (Home)  
                  Home Coming Day  
                  Freshman Hall plays, Bryn Mawr, Hall Dances
- November 7-8: Varsity Players and Cap and Bells at Bryn Mawr  
                  Undergraduate Dance Saturday night  
                  Soccer: Ursinus (Home)
- November 15:   Football: Johns Hopkins (Home)  
                  Glee Club (Home)
- November 21:   Soccer: Swarthmore (Home)
- November 22:   Football: Swarthmore (Away)  
                  Varsity Club Weekend (Dance)—Duke Ellington
- November 25:   Collection (Athletic Awards)
- December 5-6:   Cap and Bells  
                  Victory Dance Saturday night
- December 14:   Glee Club Concert with Bryn Mawr
- February 14:    Playwriting Plays at Bryn Mawr  
                  Athletic Day  
                  Sub-Freshman Day  
                  Varsity Club Winter Festival
- February 28:    Freshman Shows, Undergraduate Dance, at Bryn Mawr  
                  Basketball: Swarthmore (Home)
- March 5:        Class Night
- March 6:        Junior Prom
- March 9:        Collection (Athletic)
- March 13:       Varsity Players and Cap and Bells at Bryn Mawr
- March 19:       Founders Club Annual Dinner
- April 17:        Junior Prom at Bryn Mawr
- April 24:        Spring Concert  
                  Bryn Mawr College Glee Club
- April 30:        Spring Concert  
                  Haverford College Glee Club
- May 1:          War Memorial Scholarship Dance  
                  Parents' Day
- May 7:          Annual Meeting Cap and Bells
- May 8:          Varsity Club Day (Annual Dinner)  
                  Track: Swarthmore (Home)  
                  Baseball: Pennsylvania Military College (Home)  
                  Tennis: Rutgers (Home)
- May 14-15:     Cap and Bells Production  
                  Dance Saturday night



# ACADEMIC YEAR 1947-1948

## DIRECTORY FACULTY AND STAFF

<u>Name</u>	<u>Residence</u> <u>Haverford, unless</u> <u>otherwise noted</u>	<u>Telephone</u> <u>Ardmore, unless</u> <u>otherwise noted</u>	<u>Office</u>
(B.M.=Bryn Mawr, H. C.=Haverford College)			
Alenick, Monroe E.	c/o Frank Ufford 605 Railroad Ave.	0143-W	Chem. Lab.
Allendoerfer, Carl B.	750 Rugby Rd., B.M.	B.M. 2568 J	Founders, Center West
Archfield, Dorothy B.	36 Cricket Avenue Ardmore, Pa.	4728	Roberts, 1st floor
Asensio, Manuel J.	2 College Lane	4163	Language House
Asensio, Elisa	2 College Lane	4163	
Ashmead, John, Jr.	421 W. Lancaster Ave. c/o Frederick W. Lacey	5047	Whitall 14
Baer, John E.	Featherbed Lane	3109-W	Chem. Lab.
Beard, Mabel S.	Infirmary, H.C.	3036	Infirmary
Beatty, Ethel E.	Founders, H.C.	9460	Founders
Benham, Thomas A.	3 College Lane	6044	Sharpless 14
Bernheimer, Richard M.	225 N. Roberts Rd., B.M.	B.M. 1427-W	B.M. College
Berry, Alice M.	Lincoln Highway, Berwyn, Pa.	Berwyn 0225	Roberts, 2nd floor
Bruns, Friedrich	3 College Lane	4160	Whitall 11
Cadbury, William E., Jr.	791 College Avenue	2023-W	Chemistry Lab.
Caselli, Aldo	1 College Circle	5562	Whitall
Chatto, Viola	521 Panmure Rd.	0693	Founders
Clare, Evelyn	Glen Mary Lane St. Davids, Pa.	Wayne 0845	Library
Coble, Arthur B.	Montgomery Inn, B.M.	B.M. 2181	Founders Center East
Coggeshall, Margaret R.	519 King St. Philadelphia 44, Pa.	Victor 4-1798	Roberts, 1st floor
Comfort, Howard	5 College Circle	3732	Sharpless 40
Comfort, William W.	South Walton Road	0455	
Cooper, Bennett S.	521 Panmure Road	3254-M	Founders East
Cornell, Charlene D.	Buck Lane	2904	Founders East
Crosman, Sara E.	2 Griffin Lane	6220	Roberts, 2nd floor
deGraaff, Frances	B.M. College Low Buildings	B.M. 9103	Library 50
Docherty, Patricia	746 Panmure Rd.	B.M. 0569-W	Whitall 2
Docherty, William, Jr.	746 Panmure Rd.	B.M. 0569-W	Gymnasium
Drake, Thomas E.	702 Pennstone Rd., B.M.	B.M. 1534	Library
Dunn, Emmett R.	748 Rugby Rd., B.M.	B.M. 2753	Treasure Room
Emanuel, Ph.	4210 Spruce St. Philadelphia, Pa.	Evergreen 6-8417	Sharpless 209 Founders West
Evans, Arlington	c/o Mrs. Emgarth 653 E. Jamestown St., Phila., Pa.	Roxborough 8-3876-J	Gymnasium
Evans, Francis Cope	1 College Lane	4049-W	Sharpless 202
Fetter, Frank W.*	5 Canterbury Lane St. Davids, Pa.	Wayne 2449-J	Whitall 9
Flight, John W.	753 College Ave.	4409-W	Sharpless 303
Foss, Martin	1a College Lane	1599	Library 49
Gary, Franklin	824 Buck Lane c/o John T. Begien	6386-W	Whitall 7

<u>Name</u>	<u>Residence</u> <u>Haverford, unless</u> <u>otherwise noted</u>	<u>Telephone</u> <u>Ardmore, unless</u> <u>otherwise noted</u>	<u>Office</u>
(B.M.=Fryn Mawr, H. C.=Haverford College)			
Glendening, Frank S.	431 Righters Mill Rd. Penn Valley, Narberth, Pa.	Cynwyd 1249	.
Goldberger, Else	Crum Creek Farm Goshen Rd., R.F.D. 1, Newtown Square, Pa.	Newtown Square 0342-W	Library
Gonoude, Anna May	Newtown Road Ithan, Pa.	Wayne 1449-W	Library 25
Gray, J. Glenn	Featherbed Lane	3109-W	Library 41
Green, Louis C.	791 College Ave.	4409-J	Observatory
Haddleton, Alfred W.	20 Tenmore Rd.	B.M. 1235-W	Gymnasium
Henry, Howard K.	1464 Drayton Lane Penn Wynne, Philadelphia 31, Pa.	3913-J	Sharpless 201
Herndon, John G.	1 College Lane	0364	Hilles, 2nd fl.
Hetzel, Theodore B.	768 College Ave.	4393-W	Hilles, 2nd fl.
Hewitt, Anna B.	245 S. 38th St. Phila. 4, Pa.	Evergreen 6-4946	Library
Hoag, Gilbert T.	Woodside Cottage,	1402-W	Treasure Rm. Roberts, 1st floor
Holmes, Clayton W.	720 Millbrook Lane	4269-W	Hilles, 1st floor
Huff, Frances	120 Glenwood Road Merion, Pa.	Merion 5585	Founders
Jones, Thomas O.	Founders Hall, H.C.	6908-J	Chem. Lab.
Jones, Rufus M.	2 College Circle	2777	
Kelly, John A.**	3 College Lane	4160	
Lanza, Phyllis	759 Humphreys Rd. Ardmore, Pa.	5366-M	Founders
Lester, John A.	36 Railroad Ave.	3168	Chase 3
Levitt, Leonard	6232 Carpenter St. Philadelphia 43, Pa.	Sherwood 7-8424	Chem. Lab.
Lockwood, Dean P.	6 College Circle	1402-J	Library
Lodge, F. Ruth	1527 Fairfax Rd., Rosemont, Pa.	B.M. 0663-W	Whitall 5
Lunt, William E.	5 College Lane	1507-W	Whitall 10
MacIntosh Archibald	3 College Circle	0961	Roberts, 2nd floor
Marcantonio, Antoinette	Valley Forge Rd. Devon, Pa.	Wayne 0682	Whitall
Meade, Edward G.	214 Bryn Mawr Ave., B.M.	B.M. 1767-W	Library 40
Meldrum, William B.	747 College Ave.	0881-J	Chem. Lab.
Nellen, Lillian	214 Meeting House Lane Merion, Pa.	Cynwyd 7911	Whitall
Newhall, Jocelyn J.	16 Elliott Avenue Bryn Mawr, Pa.	B.M. 9277	Library
Oakley, Cletus O.**	Featherbed Lane	3109-W	Founders, Center East
Palmer, Frederic, Jr.	1 College Lane	6878	
Pepinsky, Abraham	7 College Lane	5324	Sharpless 108
Pfund, Harry W.	624 Overhill Rd., Ardmore, Pa.	5532	Whitall 8
Post, Amy L.	361 Lancaster Ave.,	1643-M	Library 28
Post, L. Arnold*	9 College Lane	0258-M	Library 51
Randall, Roy E.	2 Griffin Lane	4565-W	Gymnasium
Rantz, J. Otto	2122 Chestnut Ave. Ardmore, Pa.		Hilles, Lab. floor

<u>Name</u>	<u>Residence</u> Haverford, unless otherwise noted	<u>Telephone</u> Ardmore, unless otherwise noted	<u>Office</u>
(B.M.=Bryn Mawr, H. C.=Haverford College)			
Reese, Ruth H.	167 Wellington Road Upper Darby, Pa.	Boulevard 5482-W	Library 25
Reese, William	440 College Avenue Lancaster, Pa.	Lancaster 2-5781	
Rittenhouse, Leon H.	6 College Lane	5522	
Rogers, Dorean Mary	Woodside Cottage	3109-M	Whitall
Sargent, Ralph M.**	4 College Circle	3339	
Sass, Frederick N.	3224 West Clifford St., Philadelphia, Pa.	Fremont 7-2627	Whitall 9
Schrecker, Paul	835 Harvard Ave. Swarthmore, Pa.	Swarthmore 3479-M	
Schroeder, Seaton	418 St. Davids Road St. Davids, Pa.	Wayne 0224	Founders
Seidenberg, Jacob	2422 N. Napa St., Philadelphia, Pa.	Sagamore 2-3886	Chase 7
Smith, Catherine Jane	R.D. 2, Malvern, Pa.	Paoli 2515-M	Library
Snyder, Edward D.	36 Railroad Ave.	0712	Whitall 12
Sollmann, William	Pendle Hill Wallingford, Pa.	Media 4507	Library 42
Steer, Alfred G.	140 S. Lansdowne Ave. Lansdowne, Pa.	Madison 2130-W	
Steere, Douglas V.**	739 College Ave.	0162	
Stefan, Marie	4837 Cedar Ave., Philadelphia 43, Pa.	Granite 2-2845	Whitall
Stulb, Florence B.	727 Homestead Rd. Beechwood, Havertown, Pa.	3454-M	Roberts 1st floor
Sutton, Richard M.	785 College Ave. facing Walton Rd.	0742-W	Sharpless 104
Swan, Alfred	519 Walnut Lane Swarthmore, Pa.		Union
Taylor, Dr. Herbert W.	457 Lancaster Ave.	2383	Infirmary
Teaf, Howard M., Jr.	3 College Lane	4049-J	Chase 7
Thomsen, Donald L., Jr.	421 W. Lancaster Ave. c/o Frederick W. Lacey	5047	Library 40
Walter, Barbara L.	5713 W. Ashland Ave. Philadelphia 43, Pa.	Sherwood 7-5939	Roberts, 1st floor
Watson, Frank D.	773 College Ave.	2937	Whitall 6
White, Gilbert F.	1 College Circle	4642	Roberts, 2nd floor
Williamson, A. Jardine	4 College Lane	4023	Founders, West
Wilson, Albert H.	765 College Ave.	1853	
Wonson, Gertrude M.	112 Mondela Ave., B.M.		
Wylie, Laurence W.	Government House	2163-W	Roberts, 2nd floor
Zaretsky, Lillian	527 S. 3rd Street, Philadelphia, Pa.	Lombard 3-0458	Library 43 Sharpless 108

\*Indicates absence during second semester.

\*\*Indicates absence during whole academic year.



## COLLEGE OFFICE AND BUILDING TELEPHONES

All telephones below may be reached by calling Ardmore 6400  
unless otherwise noted

Admissions Office: Archibald MacIntosh, Director of Admissions  
                             Gertrude M. Wnson, Assistant to the Director of  
   Admissions

Alumni Office: Bennett S. Cooper, Secretary  
 Assistant to the President: Fennett S. Cooper

Barclay Hall, North ..... (Pay Station) ...9506  
 Barclay Hall, Center ..... (Pay Station) ...9459  
 Barclay Hall, South ..... (Pay Station) ...9508

Biology Laboratory (Sharpless Hall): E. B. Dunn, F. C. Evans, H. K. Henry

Bookstore: Patricia Docherty, Manager

Business Office: Aldo Caselli, Comptroller  
                             Lillian Nellen, Secretary to the Comptroller  
                             Dorean Mary Rogers (Accounts Payable)  
                             Marie Stefan (Accounts Receivable)

Cashier's Office: Marie Stefan

Chase Hall: John A. Lester, J. Seidenberg, Howard M. Teaf, Jr.

Chemistry Laboratory: M. E. Alenick, W. E. Cadbury, Jr., T. O. Jones,  
   L. Levitt, W. P. Meldrum

Dean's Office: Gilbert T. Hoag, Dean  
                             Barbara L. Walter, Secretary to the Dean

Dietitian: Ethel E. Beatty

Engineering Laboratory (Hilles): J. C. Herndon, T. B. Hetzel,  
   C. W. Holmes, J. O. Fantz

Faculty Secretarial Office: F. Ruth Lodge, Faculty Secretary

Founders Hall, East ..... (Pay Station) ...9460  
 Founders Hall, Dormitory ..... (Pay Station) ...9533

French House: Laurence W. Wylie, Director ..... (Pay Station) ...9613

Government House: Laurence W. Wylie, Director .... (Pay Station) ...9613

Gymnasium ..... (Pay Station) ...9512

Gymnasium Office: W. Docherty, Jr., A. Evans, A. W. Haddleton,  
                             R. E. Randall

Haverford News

Haverford Union ..... (Pay Station) ...9514

Hilles Laboratory of Applied Science (Engineering)

Infirmary: Herbert W. Taylor, M.D., College Physician  
                             Mabel S. Peard, R. N.

Kitchen ..... (Pay Station) ...9544

Language House: Manuel J. Asensio, Director ..... (Pay Station) ...9428

Library: D. P. Lockwood, Librarian  
                             Amy L. Post, Assistant Librarian  
                             Circulation Desk

Treasurer Room: Thomas E. Drake, Anna P. Hewitt

Library Offices: Frances de Graaff, M. Foss, J. G. Cray, E. C. Meade,  
                             L. A. Post, W. Sollmann, D. L. Thomsen, Jr.,  
                             L. W. Wylie

Lloyd Hall, 4th Entry (Smith) Rooms 1-16 ..... (Pay Station) ...9520

Lloyd Hall, 8th Entry (Leeds) Rooms 17-38 ..... (Pay Station) ...9628

Maintenance and Operation Office: Seaton Schroeder, Superintendent  
   Viola Gatto, Secretary to the  
   Superintendent

## COLLEGE OFFICE AND BUILDING TELEPHONES

All telephones below may be reached by calling Ardmore 6400  
*unless otherwise noted*

Maintenance and Operation Office: Seaton Schroeder, Superintendent  
Viola Chatto, Secretary to the Superintendent

Merion Annex ..... (Pay Station) ...9561  
Merion Hall ..... (Pay Station) ...9458  
Observatory: Louis C. Green

Panmure Road - 521, Dormitory ..... (Pay Station) ...9516  
Panmure Road - 746, Dormitory ..... (Pay Station) ... Bryn Mawr 9275  
Physics Laboratory (Sharpless Hall): T. A. Benham, R. M. Sutton  
Placement Bureau: Bennett S. Cooper, Director  
Power House ..... (Pay Station) ...9540  
President: Gilbert F. White  
President's Office: Alice M. Berry, Secretary to the President  
Psychology Laboratory (Sharpless Hall): A. Pepinsky, Lillian Zaretsky  
Publicity Director: Bennett S. Cooper  
Radio Club: Station WHRC (Haverford Union) ..... (Pay Station) ...9523  
Registrar's Office: Dorothy B. Archfield, Margaret Coggeshall,  
Abe Pepinsky, Florence Stulb

Sharpless Hall: T. A. Benham, H. Comfort, E. R. Dunn, F. C. Evans,  
J. W. Flight, H. K. Henry, A. Pepinsky, R. M. Sutton,  
Lillian Zaretsky

Veterans' Counsellor: Howard Comfort (Whitall Hall 5)  
F. Ruth Lodge, Secretary to the Veterans' Counsellor

Vice President: Archibald MacIntosh  
Sara E. Crosman, Secretary to the Vice-President

Whitall Hall: J. Ashmead, Jr., F. Bruns, H. Comfort, F. W. Fetter,  
F. Gary, W. E. Lunt, H. Pfund, F. N. Sass, E. D. Snyder,  
F. D. Watson

## COLLEGE TELEPHONE SERVICE

When there is an operator at the switchboard (9:00 a.m. to 5:00 p.m. Monday through Friday, 9:00 a.m. to 1 p.m. on Saturday, none Sunday) any of the offices listed below can be reached by calling Ardmore 6400.

When there is no operator on duty, use the following telephone number:

Ardmore 6400 Library; Maintenance and Operation Office  
Ardmore 6401 Dean; Registrar  
Ardmore 6402 Hilles Laboratory; Physics Laboratory  
Ardmore 3036 Infirmary  
Ardmore 3761 President's Office  
Ardmore 1942 Vice President; Director of Admissions

## FACULTY OFFICE TELEPHONES

The offices of most of the members of the Faculty may be reached by calling Ardmore 6400 during the hours when there is an operator at the switchboard.





# DIRECTORY STUDENTS IN THE COLLEGE

In the last column is given the number of the student's dormitory room:

<i>Bc</i> for Barclay Center <i>Bn</i> for Barclay North <i>Bs</i> for Barclay South <i>B.T.W.</i> for Barclay Tower, West <i>B.T.E.</i> for Barclay Tower, East <i>F.</i> for Founders Hall <i>G.H.</i> for Government House	<i>L.H.</i> for Language House <i>L.</i> for Lloyd Hall <i>M.A.</i> for Merion Annex <i>M.</i> for Merion Hall 521 for Panmure Road 746 for Panmure Road
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(NOTE: The number preceding 521, 746, M.A., and M. indicates the room occupied by the student.)

Name	Home Address	College Address
A		
ABBOTT, Henry David.....	Linwood, Livingston Co., N.Y.	6 Bs
ABERNETHY, Mary Elizabeth.....	717 Old Lancaster Road, Bryn Mawr, Pa.	Day
ACKER, George Nicholas.....	New Oxford, Pa.	Day
	Local Address: 28 Cricket Avenue, Ardmore, Pa.	
ACTON, John Thomas.....	Buck Road, Bryn Athyn, Pa.	8 G.H.
ADAM, Albert Conrad, Jr.....	2924 Morris Road, Ardmore, Pa.	Day
ADDOMS, Jeremy.....	25 Hilltop Road, Philadelphia 18, Pa.	Day
ALDEN, Charles Seymour.....	8 Craigie Street, Cambridge, Mass. c/o, Mrs. Murray P. Horwood	Day
	Local Address: 225 Roberts Road, Bryn Mawr, Pa.	
	c/o Dr. Richard M. Pernheimer	
	Telephone: Bryn Mawr 3029-B	
ALENICK, Monroe Edward.....	292 Eastern Parkway, Newark 6, N.J.	Day
	Local Address: 605 Railroad Avenue, Haverford, Pa.	
	c/o Mr. Frank Ufford	
ALLAN, William Donald.....	115 North 8th Avenue, Coatesville, Pa.	19 Bs
ALLEN, Robert Walker.....	Buck Lane, Haverford, Pa.	Day
AMBLER, William Webster, Jr.....	124 W. Highland Avenue, Philadelphia, Pa.	Day
AMUSSEN, Christopher R.....	1509 Wynnewood Road, Ardmore, Pa.	Day
	Telephone: Ardmore 0653-M	
AMUSSEN, Donald Sinclair.....	125 Kenwood Avenue, Chevy Chase 15, Md.	32 Bc
AUTENREITH, Laurence Hunter.....	920 Wellesley Road, Pittsburgh 6, Pa.	6 Bs

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
B		
BACON, Roger.....	3307 Clarendon Road, Cleveland 18, Ohio	30 F
BAER, Bruce Lawrence.....	738 Gimghoul Road, Chapel Hill, N.C.	25 L
BAILEY, Moses Omar.....	160 North Main Street, West Hartford 7, Conn.	17 L
BAKER, Robert Knoche.....	355 Columbia Avenue, Palmerton, Pa.	23 L
BAKER, William Perrin, Jr.....	355 Columbia Avenue, Palmerton, Pa.	23 L
BAKKER, Cornelius Nicholas, Jr.....	Box 68, Great Barrington, Mass.	19 Bs
BALDI, Virgil Bismark, Jr.....	437 West School Lane, Germantown, Philadelphia 44, Pa.	21B F
BALDWIN, Gordon Brewster.....	Orchard Glenn, R.D. 1, Rochester 10, N.Y.	21 Bs
BALTZELL, Richard Benson.....	2001 Hillside Drive, Columbus 8, Ohio	62 Bn
BARKER, Harold Joseph, Jr.....	201 - 30th Street, Brigantine, N.J.	60 Bn
BARNES, Joseph Aloysius, Jr.....	123 Coulter Avenue, Ardmore, Pa.	Day
BARRAZA, Carlos.....	Donato Guerra 315 S. Torreon, Coah, Mexico Local: 240 Montgomery Ave., Haverford, Pa.	Day
BARON, Daniel Aloysius.....	13 West Bertsch Street, Lansford, Pa.	105 M.A.
BARROWS, William Monroe.....	24 Willard Street, East Braintree 84, Mass., Tel.: Ardmore 7318-R	24 Bs
BEEKEN, Warren Lazell.....	150 Beaver Street, Beaver, Pa.	44 Bc
BELL, John Ernest.....	Milton, N.Y.	30 Bc
BELL, William Warren.....	4409 Greenwich Parkway, N.W., Washington 7, D.C.	34 L
BELLINGER, Edgar Thomson.....	2710 South Joyce Street, Arlington, Va.	63 Bn
BENNETT, Peter Goldthwait.....	260 Concord Street, Newton Lower Falls 62, Mass.	9 F
BENTLEY, Wray Davison, Jr.....	802 Cleveland Street, Durham, N.C.	32 L
BERNSTEIN, Daniel Seymour.....	3700 Hilton Road, Baltimore 15, Md. Tel.: Ardmore 4875-J	37 L
BETSON, Robert Boyd.....	239 Crawford Avenue, Lansdowne, Pa.	Day
BETSON, Wesley Rhodes.....	239 Crawford Avenue, Lansdowne, Pa.	Day
BIDDLE, Julian Cornell.....	Paoli Road, Newtown Square, Pa.	31 L
BILLO, Joseph Geoffrey.....	11 Axtell Drive, Scarsdale, N.Y.	6 L

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
BIRDSALL, Charles Benson.....	55 Park Street, Haverhill, Mass.	63 Bn
BIRDSALL, Joseph Cooper, Jr.....	139 Booth Lane, Haverford, Pa.	Day
BISHOP, William Spotswood.....	226 Greenwood Road, Sharon Hill, Pa.	4-746
BLACKWELL, David J.....	201 East College Avenue, Salisbury, Md.	21 Bs
BLAKE, Frederick Leighton.....	202 W. Beechtree Lane, Wayne, Pa.	Day
BLASIUS, Leslie Gordon.....	529 Wyoming Avenue, Millburn, N.J.	4 L
BLUM, David Meyer.....	3603 Forest Park Avenue, Baltimore 16, Md. Telephone: Ardmore 4875-R	38 L
BLUM, Kenneth Richard.....	1185 Park Avenue, New York 28, N.Y.	37 L
BOGER, John Neil.....	341 Cumberland Street, Lebanon, Pa.	69 Bn
BOND, Carl Taylor.....	4 Walnut Street, Bristol, N.H.	108 M.A.
BOTELER, Charles Magdefrau, Jr.....	4600 Sedgwick Street, N.W., Washington, D.C.	7 L
BOTELER, William Pierce.....	4600 Sedgwick Street, N.W., Washington, D.C.	5 Bs
BOTTOM, Gordon Bishop.....	6987 Guilford Road, Stonehurst, Pa.	Day
BOYD, Andrew, Jr.....	6840 North Barnett Lane, Milwaukee 11, Wisc.	44 Bc
BOYD, James Cheyne.....	6840 North Barnett Lane, Milwaukee 11, Wisc.	62 Bn
BRAWNER, David M.....	107 Highland Drive, Chevy Chase, Md.	32 L
BRENES, Luis Guillermo.....	Santa Cruz, Guanacoste, Costa Rica	12 L.H.
BREWER, Paul Clisby, Jr.....	36 Hamilton Avenue, Auburn, N.Y.	110-112 M.A.
BRICK, Allan Randall.....	239 West Glen Avenue, Ridgewood, N.J.	23 Bs
BRINTON, Edward.....	Pendle Hill, Wallingford, Pa.	Day
BRODHEAD, Charles Daniel.....	107 Lexington Avenue, Lansdowne, Pa.	10 F
BROOM, William Thomas.....	7031 Boyer Street, Philadelphia 19, Pa.	22 Bs
BROWN, Edwin Louis.....	20 Griffing Boulevard, Asheville, N.C.	23 Bs
BROWN, James Davidson, Jr.....	2902 Manoa Road, Honolulu 54, T.H.	5 Bs
BROWN, Joseph Clinton.....	R.D. 1, Clarksboro, N.J.	56 Bn
BROWN, Robert DePue.....	478 Manheim Street, Philadelphia 44, Pa.	Day

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
BROWN, Robert Edwin.....	22 Woodbine Avenue, Larchmont, N.Y.	35 Bc
BROWNEE, Harold Joseph, Jr.....	Quaker Oats, Ltd., Southall, Middlesex, England	24 Bs
BROWNEE, John Erskine.....	Quaker Oats, Ltd., Southall, Middlesex, England	5 L
BUCKLEY, James Coakley.....	620 Shadeland Avenue, Drexel Hill, Pa.	24 L
BULLOCK, John Robert.....	418 South 47th Street, Philadelphia, Pa.	Day
BUTTRICK, David Gardner.....	21 East 79th Street, New York, N.Y.	1 L
Tel.: Ardmore 7338-M		

C

CADBURY, Warder Henry.....	7 Buckingham Place, Cambridge, Mass.	18 F
CADWALLADER, Gouverneur.....	Solebury, Pa.	9 L
CALHOUN, Crede Crespi.....	Box 194, Balboa Heights, Canal Zone	17 Bs
CAMERON, Richard Morgan, Jr.....	Barrett's Mill Road, Concord, Mass.	54 Bn
CANAN, James Franklin.....	1803 Third Avenue, Altoona, Pa.	7 G.H.
CANAN, Lawrence Henderson, Jr.....	1803 Third Avenue, Altoona, Pa.	7 G.H.
CARLSON, Oscar William, Jr.....	825 Wellington Road, Baltimore, Md.	54 Bn
CARMAN, John Braisted.....	40 West Hyatt Avenue, Mt. Kisco, N.Y.	26 Bc
CARRINGTON, George Cabell, Jr.....	3715 Woodley Road, N.W., Washington 16, D.C.	58 Bn
CASE, Ward Calvin.....	2688 Brentwood Road, Columbus 9, Ohio	25 L
CATES, Paul Barker.....	East Vassalboro, Me.	26 Bc
CHACKO, Kollenparampil Chacko.....	Travancore, India	Day
Local: Pendle Hill, Wallingford, Pa.		
CHAPMAN, William Dewson.....	Wellesley Farm, Sutton-West, Ontario, Canada	7 G.H.
CHEYETTE, Herbert Basil.....	646 Locust Street, Indiana, Pa.	28 Bc
CLARK, William Richmond.....	Box #81, Williamstown, Mass.	10 Bs
CLAYTON, Allen B.....	49 East Providence Road, Lansdowne, Pa.	3 L
CLEMENT, Frederick Tomson.....	407 Woodland Avenue, Wayne, Pa.	Day
COALE, Edgar Bellville.....	521 East Mermaid Lane, Chestnut Hill, Philadelphia 18, Pa.	12 M
COLE, Don Hagler.....	1210 East 19th Street, Tulsa, Okla.	60 Bn



<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
COLLIER, Reginald Bruce.....	7 Negus Street, Webster, Mass.	46 Bc
COLLINS, Benjamin McVickar.....	Broadlea Farm, Rhinebeck, N.Y.	2 F
COLMAN, George Dickson.....	159 Chapin Street, Binghamton, N.Y.	51 Bn
COLMAN, Samuel, Jr.....	159 Chapin Street, Binghamton, N.Y.	53 Bn
CONANT, Richard K., Jr.....	Box 41 Storrow Farm Road, South Lincoln, Mass.	9 L
CONKLIN, George L.....	601 Merion Avenue, Havertown, Pa.	Day
CONKLIN, William Thaddeus, III.....	5410 Purlington Way, Baltimore 12, Md.	13 F
COONEY, John Joseph.....	5837 Meadowview Avenue, North Bergen, N.J.	20 Bs
COOPER, Brooks Paxter.....	521 Panmure Road, Haverford, Pa.	Day
COOPER, Everett Bruen.....	115 East 5th Avenue, Conshohocken, Pa.	Day
COOPER, Wilmer Albert.....	R.D. #2, Columbiana, Ohio Local: 768 College Avenue, Haverford, Pa. c/o Mr. Theodore Hetzel	Day
CORNELL, Edward Hussey Binns.....	Buck Lane, Haverford, Pa.	Day
COWAN, William Edgar.....	3220 Cove Road, Merchantville, N.J.	5 F
CRAGIN, Harold Isaiah.....	2 Morris Street, Merchantville, N.J.	20 Bs
CROLIUS, Allen Potter.....	Kenilworth Apts., Alden Park, Philadelphia 44, Pa.	Day
CROLIUS, Thomas Potter.....	Kenilworth Apts., Alden Park, Philadelphia 44, Pa.	Day
CROSMAN, Dorland Loring.....	736 Railroad Avenue, Bryn Mawr, Pa.	Day
CROSMAN, John Marshall, Jr.....	Griffin Lane, Haverford, Pa.	Day
CULBERT, Craig, Dunlap.....	26 Chatham Road, Ardmore, Pa.	Day
CURTIS, Nevius Minot.....	R.F.D., Granby, Mass.	53 Bn
CUTTING, Hunter Opperman.....	309 Sherman Street, Rockford, Ill.	53 Bn
DALLETT, Francis James, Jr.....	324 Overhill Road, Wayne, Pa.	Day
DAUDON, Marc Daniel.....	Box 477, Haverford, Pa.	17 L
DAVENPORT, Robert Montgomery.....	1825 Green Street, Philadelphia 30, Pa.	Day
DAVIES, David Elwyn.....	3012 - 44th Street, N.W., Washington, D.C.	9-521

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
DAVIS, John Gilman.....	76 Brooks Street, W. Medford, Mass.	13 L
DAVISON, John Herbert.....	606 W. 122nd Street, New York 27, N.Y.	52 Bn
DAYTON, Allan Shea, Jr.....	852 Valley View Road, Pittsburgh 16, Pa.	52 Bn
DEACON, Drew Walter.....	40 West Walnut Lane, Philadelphia 44, Pa.	13 Bs
DEATON, Louis Crosby.....	520 Old Orchard Road, Baltimore 29, Md.	4 Bs
DEITZ, James Gilbert.....	135 Bompert Avenue, Webster Groves 19, Mo.	51 Bn
DELP, William Taylor.....	520 Derstine Avenue, Lansdale, Pa.	7 L
DE MARCO, Michael Charles.....	7201 North Broad Street, Philadelphia 26, Pa.	Day
DENNISON, Stanford Charles.....	R.D. #2, Box 120, Jeannette, Pa.	52 Bn
DE SCHWEINITZ, George Lord, Jr.....	85 East Broad Street, Bethlehem, Pa.	10 G.H.
DEWEES, Allen Hilles.....	Sweetwater Farm, Glen Mills, Pa.	30 Bc
DI GIOVANNI, Carmen.....	1036 Montgomery Avenue, Narberth, Pa.	5-746
DISBROW, Donald Willis.....	R.D. #3, Dundee, N.Y.	72 Bn
DOANE, John Winthrop.....	316 Stanwood Street, Philadelphia 11, Pa.	36 Bc
DODGE, John Lanphere.....	Greenbush Road, Orangeburg, N.Y.	4 Bs
DOLBEARE, Kenneth Marsh.....	295 Stewart Avenue, Garden City, N.Y.	55 Bn
DORN, Richard Kenneth.....	6140 Nassau Road, Philadelphia 31, Pa.	Day
DRAGSTEDT, Lester Reynold, II.....	5200 Greenwood Avenue, Chicago 15, Ill.	61 Bn
DRAKE, Charles Daniel.....	47 Main Street, Franklin, N.J.	12 L
	Tel.: Ardmore 7338-J	
DURLING, James Alger.....	150 Main Street, Wadsworth, Ohio	4 L
DVORKEN, Henry Jacob.....	435 W. Fifth Avenue, Roselle, N.J.	14 F
DYSON, John Colter.....	1426 Harlem Boulevard, Rockford, Ill.	35 L
E		
EASTMAN, Albert Theodore.....	2285 Washington Street, San Francisco 15, Cal.	51 Bn
EPERLY, Richard Jewell.....	608 Elm Terrace, Riverton, N.J.	55 Bn
ECHIKSON, Edward.....	31 Midland Boulevard, Maplewood, N.J.	Day
	Local Address: 605 Railroad Ave., Haverford, Pa.	
	c/o Mr. Frank P. Ufford	

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
EDGERTON, Charles Willis, Jr.....	College Avenue, Haverford, Pa.	2 L
EDGERTON, Hugh McIlvain.....	College Avenue, Haverford, Pa.	Day
EDGERTON, Philip.....	College Avenue, Haverford, Pa.	Day
EDGERTON, Robert.....	College Avenue, Haverford, Pa.	1 L
EDMISTON, Robert Beverly.....	200 High Street, State College, Pa.	10 M
EDMONDS, Thomas Hartley.....	Box 566, Bedford Mills, N.Y.	35 L
ELKINGTON, Peter West.....	6514 Germantown Avenue, Philadelphia 19, Pa.	Day
ELLIOTT, Ralph Menges.....	19 Grace Court, Brooklyn, N.Y.	2-746

F

FALTERMAYER, Edmund Kase.....	46 East Gowen Avenue, Philadelphia, Pa.	4 G.H.
FEESER, Paul Thomas.....	Box 82, Schuylkill Haven, Pa.	12 Bs
FIFE, John Dustin.....	Sixth Street Gate House, Stevens Institute of Technology, Hoboken, N.J.	34 Bc
FLAHERTY, Joseph Paul, Jr.....	286 Trent Road, Penn Wynne, Philadelphia 31, Pa.	Day
FLEMING, Thomas Talbot.....	E. Valley Green Road, Flourtown, Pa.	21 L
FLETCHER, Richard McClurg.....	3112 "O" Street, N.W., Washington 7, D.C.	58 Bn
FLINT, Peter Boone.....	Apt. 3C, 309 East 48th Street, New York 22, N.Y.	60 Bn
FORD, Floyd Filmore, Jr.....	Walton Road, R.D. #4, Norristown, Pa.	Day
FOSTER, James Henry.....	256 Bradley Street, New Haven, Conn.	11 L
FOX, Samuel Tucker, III.....	164 Pennsylvania Avenue, Bryn Mawr, Pa.	Day
FRANKL, Gunther.....	70-01 113th Street, Forest Hills, Long Island, N.Y.	10 G.H.
FREEMAN, Robert Whiting.....	19 Cherry Lane, Caldwell, N.J.	5 M
FRENCH, James Cummings.....	206 Washington Avenue, Haddonfield, N.J.	40 Bc

G

GAGER, Forrest Lee, Jr.....	719 East Willow Grove Ave., Chestnut Hill, Philadelphia 18, Pa.	Day
GAILEY, John Robert, Jr.....	401 Roosevelt Avenue, Apt. A, York, Pa.	3 L
GARBATY, Thomas.....	20 Murray Hill Road, Scarsdale, N.Y.	38 L
GARDINER, John Brooke.....	614 Pembroke Road, Bryn Mawr, Pa.	Day

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
GARDNER, Jess Alter.....	411 Lexington Avenue, Pittsburgh 15, Pa.	10 L
GARDNER, Kenneth Adelman.....	2214 Forest Glen Road, Pittsburgh 17, Pa.	11 F
GARRISON, Harry Elwood, Jr.....	729 East Leveck Street, Philadelphia 11, Pa.	17 F
GATELY, Edward Joseph, Jr.....	476 Fair Street, Providence 5, R.I.	11 L
GEBHARDT, John Frank.....	140 East 29th Street, Erie, Pa.	15 L
GECKELER, Edwin Oscar, Jr.....	1312 Medford Road, Wynnewood, Pa.	Day
GEIGES, Charles Kirkwood.....	124 Hastings Avenue, Upper Darby, Pa.	3 F
GEOFROY, Charles Henry.....	509 Wilde Avenue, Drexel Hill, Pa.	19 L
GERLACH, Thomas Bradfield.....	1526 North 15th Street, Philadelphia, Pa.	Day
GILBERT, Charles Edward.....	3 Glendale Avenue, Delmar, N.Y.	36 L
GILL, Harry Wilbur, Jr.....	414 Penn Road, Wynnewood, Pa.	Day
GILMOUR, Richard Malcolm.....	249 Green Avenue, Lansdowne, Pa.	33 Bc
GINSBURG, Silas Jay.....	5317 North 16th Street, Philadelphia 41, Pa.	7 M
GOOD, Anson Bixler.....	141 Snider Avenue, Waynesboro, Pa.	11-521
GOODMAN, I. Robert.....	3749 Nortonia Road, Baltimore 16, Md.	12 F
GORHAM, William Kane, III.....	3346 Tilden Street, Philadelphia 29, Pa.	10-521
GOTBERG, George August, Jr.....	15915 Fernway Road, Shaker Heights, Ohio	29 L
GOULD, Stanley Benton.....	3505 Edgewood Road, Baltimore, Md.	12 L
GRAFF, Thomas Douglas.....	Sugartown Road, Paoli, Pa.	3-746
GRAHAM, Roland Boswell, Jr.....	7802 Lincoln Drive, Philadelphia 18, Pa.	Day
GRAHAME, Edward Lennox.....	246 Montgomery Avenue, Haverford, Pa.	Day
GREENWALD, Stanley Morton.....	2847 North 22nd Street, Philadelphia 32, Pa.	21 F
GRIFFITH, Charles Drake.....	c/o Mrs. V.R. Bradford, South Avenue Extension, Bradford, Pa.	12-521
GRISTE, Richard DeHaven.....	6111 Lebanon Avenue, Philadelphia 31, Pa.	Day
GROSHOLZ, James Richard.....	112 School House Lane, Ardmore, Pa.	Day
	Tel.: Ardmore 4923	
GROSS, Gerald Connop, Jr.....	3130 Wisconsin Avenue, Washington, D.C.	6 L.H.



<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
GROSSMAN, Alfred Durant.....	10 Wakeman Place, Larchmont, N.Y.	35 Bc
GROUT, Alan Leonard, Jr.....	Bryn Mawr Gables B-12, Bryn Mawr, Pa.	Day
	H	
HAFF, Peter Wilson.....	44 Elm Rock Road, Bronxville, N.Y.	14 L
HAMILL, James.....	18 Simpson Road, Ardmore, Pa., Telephone: Ardmore 5354	Day
HAMMOND, Stanley George.....	104 East Park Road, Llanerch, Pa.	47 Bc
HAND, Thomas Spencer.....	1 Holmcrest Road, Jenkintown, Pa.	66 Bn
HANDY, Edward Haven, Jr.....	19 Bradford Street, Needham, Mass.	8 L.H.
HANSEN, Willard Bernard.....	12 East 87th Street, New York 19, N.Y., c/o Dr. Felix Jacobi	SM
HARDEN, David Stewart.....	341 East Main Street, Moorestown, N.J.	30 L
HARDEN, Robert Schermerhorn.....	341 East Main Street, Moorestown, N.J.	30 L
HARING, Lee.....	152 West 54th Street, New York 19, N.Y.	11 Bs
HARKINS, Richard Stewart.....	6208 North 6th Street, Philadelphia 26, Pa.	20 L
HARPER, Lee Richard.....	190 Crowell Avenue, Staten Island 2, N.Y.	61 Bn
HARPER, Robert.....	190 Crowell Avenue, Staten Island 2, N.Y.	24 L
HARRIS, Donald Benjamin.....	5208 Edgemoor Lane, Bethesda 14, Md.	32 Bc
HARVEY, Charles Randolph.....	112 Chamounix Road, St. Davids, Pa. Telephone: Ardmore 4875-M	19 L
HARVEY, Walter Franklin Atlee.....	112 Chamounix Road, St. Davids, Pa.	Day
HASTINGS, David Spencer.....	79 Connecticut Avenue, Kensington, Md.	69 Bn
HAUSER, John Norman.....	7443 Oakhill Avenue, Wauwatosa, Wis. Telephone: Ardmore 7358-M	3 L
HAWKINS, Lee Wyeth.....	4 Oakleigh Lane, Ladue, Mo.	8 M
HAYES, Donald.....	113 Sharon Avenue, Collingdale, Pa.	Day
HAZELWOOD, Robert Nichols.....	3405 North Hackett Avenue, Milwaukee 11, Wis.	29 L
HEALEY, Robert Joseph.....	Bryn Mawr Gables, Bryn Mawr, Pa.	Day
HENDERSON, Robert Earl.....	306 East Lincoln Avenue, New Castle, Pa.	8 L
HENKELS, John Bernard, III.....	446 Church Lane, Philadelphia 44, Pa.	23 L

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
HERMAN, David Ovenden.....	5510 Roland Avenue, Baltimore 10, Md.	28 Bc
HICKMAN, Hoyt Leon.....	829 Osage Road, Pittsburgh 15, Pa.	28 L
HIGINBOTHOM, William Curran.....	5403 Springlake Way, Baltimore 12, Md.	2 L
HOBART, John Hampden.....	11 Oldfield Avenue, Apt. 6, Montreal, Quebec, Canada	68 Bn
HOBBS, Grimsley Taylor.....	250 Glandon Drive, Chapel Hill, N.C.	Day
HOEHLER, Harry Heyden.....	Local Address: Pendle Hill, Wallingford, Pa.	Day
Pugh Road, R.D. #1, Wayne, Pa.		
HOFFMAN, George L., Jr.....		1-746
301 S. Linden Avenue, Pittsburgh, Pa.		
HOLCOMBE, John Lyndon.....	239 Mill Road, Havertown, Pa.	Day
HOLLINGSHEAD, Irving, Jr.....	309 Chestnut Street, Moorestown, N.J.	67 Bn
HOLMES, James Stratton.....		Day
Clemons, Iowa		
Local Address: Pendle Hill, Wallingford, Pa.		
HOLMES, Robert William.....	720 Millbrook Lane, Haverford, Pa.	Day
HOOD, Henry German, Jr.....	3308 Warden Drive, Philadelphia 29, Pa.	37 Bc
HOOPEs, Charles Dallet.....	5500 Moorland Lane, Bethesda 14, Md.	40 Bc
HOOPEs, John Robison, Jr.....	5500 Moorland Lane, Bethesda 14, Md.	26 L
HOPKINS, Frank Thomas.....	316 Thornhill Road, Baltimore 12, Md.	17 L
HOSKINS, Robert Graham.....	86 Varick Road, Waban 68, Mass.	16 L
HOUGH, William Jarrett Hallowell, Jr.....	60 Butler Avenue, Ambler, Pa.	24 L
HOWE, Gerald Shropshire.....	4980 Hillsbrook Lane, Washington, D.C.	109-111 M.A.
HUDSON, Samuel Walter Grafflin.....	150 South Broadway, White Plains, N.Y.	71 Bn
HUEBSCH, Ian.....	285 Central Park West, New York 24, N.Y.	39 Bc
HUFFMAN, Richard Myall.....	117 Shadow Road, Chevy Chase 15, Md.	32 Bc
HUME, Harry Alan.....	550 Beverly Road, Upper Darby, Pa.	Day
HUTCHINSON, Ernest Charles.....	101 Grandview Road, Ardmore, Pa.	Day
I		
IHRIG, Judson L.....	2611 East Peverly Road, Milwaukee, Wis.	5 L
IMHOF, Lawrence George.....	678 Richmond Road, Staten Island 4, N.Y.	61 Bn
IRVING, Robert Rea.....	3110 W. Penn Street, Philadelphia 29, Pa.	23 L

Name	Home Address	College Address
J		
JACKSON, John Albert.....	11 M 20 Summer Street, Adams, Mass.	
JACKSON, Ralph Barnes.....	Day Corner Wyndon & Roberts Roads, Bryn Mawr, Pa.	
JACOB, James Archibald, Jr.....	103 M.A. 1310 Pleasant Avenue, Wellsburg, W. Va.	
JAMESON, Thomas Edward.....	1-746 505 North Lake Street, Carlsbad, N.M.	
JAMISON, Edgar Merritt, Jr.....	35 L 11 Canterbury Court, Toledo 6, Ohio	
JARDINE, William II.....	Day 110 Summit Avenue, Upper Darby, Pa.	
JOHNSON, Richard Shaper .....	25 L 328 W. 22nd Street, Erie, Pa.	
JOHNSON, Victor Lawrence.....	13 L 1007 Valley Road, Melrose Park, Phila. 26, Pa.	
JOHNSTON, Jon Jolyon.....	31 L 3219 Ozark, Little Rock, Ark.	
JOHNSTON, Robert James, Jr.....	Day 510 W. Montgomery Avenue, Haverford, Pa.	
JONES, Aldred Wilson.....	29 Bc 616 Regester Avenue, Baltimore 12, Md.	
JONES, Arthur Edward.....	Day 139 Ellis Road, Havertown, Pa.	
JONES, Evan Gordon Newton.....	13 L.H. Hectors River P.O., Jamaica, B.W.I.	
JONES, Herbert Lawrence, Jr.....	13 Bs 88 Radcliff Road, Staten Island 5, N.Y.	
JOWERS, Victor Thomas Arthur.....	7 Bs 132 East 19th Street, c/o Miss Josephine Felts, New York, N.Y.	
K		
KATZ, John Zadoch.....	25 Bc 2609 Talbot Road, Baltimore 16, Md.	
KEETZ, Edward Joseph.....	Day Hilldale Road, Villa Nova, Pa.	
KELLY, Paul Sherwood.....	15 L 118 West 36th Street, Erie, Pa.	
KEMMERER, John LeRoy.....	12-521 Residence Park, Palmerton, Pa.	
KENNEDY, Francis Richard, Jr.....	22 L 810 High Street, Paris, Ky. Telephone: Ardmore 7338-W	
KIMMICH, Ferdinand Scott.....	Day 505 Lancaster Avenue, Haverford, Pa.	
KIMMICH, Homer Marshall.....	Day 505 Lancaster Avenue, Haverford, Pa.	
KINDLER, Don.....	27 L 2017 Eye Street, Washington, D.C.	
KING, Milton Paul.....	Day 2509 North 31st Street, Philadelphia 32, Pa.	
KIRK, Robert Louis.....	8 F 20 West Baltimore Avenue, Media, Pa.	

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
KIRKPATRICK, Richard Bruce.....	206 Oak Street, Putler, Pa.	4 F
KLEIN, Edwin Benedict, Jr.....	231 Bedford Road, Pleasantville, N.Y.	6 L
KLEIN, Gilbert Wood.....	Mt. Pleasant Avenue and Panorama Road, Villa Nova, Pa.	Day
KLEIN, Robert Anderson.....	231 Bedford Road, Pleasantville, N.Y.	59 Bn
KNOWLTON, Andrew Mutch.....	126 North Sharon Avenue, Sharon Hill, Pa.	Day
KONOWITZ, David Bernard.....	85-21 Homelawn Street, Jamaica, Long Island, N.Y.	14 L
KRATZ, Wayne Thomas.....	206 East Stanton Road, Wildwood Crest, N.J.	30 L
KUNKEL, Robert Boroff.....	138-23 - 250th Street, Rosedale 10, Long Island, N.Y.	38 Bc
L		
LAITY, David Sanford.....	105 Elliott Place, East Orange, N.J.	68 Bn
LAITY, Richard Warren.....	105 Elliott Place, East Orange, N.J.	59 Bn
LAITY, Walter Asbury.....	105 Elliott Place, East Orange, N.J.	.6 G.H.
LAMBERT, Richard Meredith.....	104 Webster Avenue, Wyncote, Pa.	15 F
LANGSTON, Thomas Dinsmore.....	621 Malvern Road, Ardmore, Pa.	Day
LARSON, John Walter.....	87 East Jessamine Avenue, St. Paul, Minn.	1-746
LASDAY, Harrison Robert.....	1322 Squirrel Hill Avenue, Pittsburgh 17, Pa.	12 L
LASH, William Stanley Mallory.....	Box 2255, R.R. 4, Victoria, B.C., Canada	22 F
LEA, Sperry.....	Lake Success, N.Y.	9 G.H.
LEE, William Marshall.....	21 Park Lane, East Walpole, Mass.	8 L
LEIB, Gilbert Middleton Patten.....	136 Dwight Street, New Haven, Conn.	28 L
LENTON, Charles Trewartha, Jr.....	6407 Overbrook Avenue, Philadelphia 31, Pa.	Day
LEVENSOHN, Alan Mark.....	86 Boylston Street, Chestnut Hill, Mass.	37 L
LEVINSON, Henry Walter.....	4724 Sanson Street, Philadelphia 30, Pa.	31 Bc
LEVITT, Leonard S.....	6232 Carpenter Street, Philadelphia 43, Pa.	Day
LEWIS, George Henry.....	832 North 5th Street, Reading, Pa.	10 L
LEWIS, Theodore Longstreet.....	16 Hempstead Avenue, Hempstead, N.Y.	3 Bs
LI, Ta-Kuang.....	285 Riverside Drive, New York 25, N.Y.	7-746



<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
LIGHTFOOT, Clark Thompson.....	Richboro, Pa.	8 F
LIMBER, Wayne Stevenson.....	161 State Street, Montpelier, Vt.	67 Bn
LIND, Frederick J.....	625 Pitcairn Place, Pittsburgh 6, Pa.	31 L
LINTHICUM, William Abner, Jr.....	110 South Washington Street, Rockville, Md.	58 Bn
LONGACRE, Jacob Andrews.....	115 North Reading Avenue, Boyertown, Pa.	6-746
LORENTZEN, Richard Peter.....	4601 Waveland Court, Des Moines, Iowa	1 Bs
LOUCKS, Walter Bott, Jr.....	McClellan Heights, R.D. 6, York, Pa.	9 L
LUCAS, Robert Moreland.....	Main Street, Cederville, N.J.	36 Bc
LUCINE, Andrew Deran.....	Centennial Road, Penn Valley, Narberth, Pa.	Day
LYCETT, Isaac Cate, Jr.....	"Seldom Come By," Owings Mills, Md.	2 L
LYNCH, Harold Vincent, Jr.....	7203 Cresheim Road, Philadelphia 19, Pa.	25 Bc
M		
MACINTOSH, Walter Bruce, Jr.....	1444 West 28th Street, Miami Beach, Fla.	6 F
MACKENZIE, David.....	35 Commonwealth Road, Rochester 10, N.Y.	3 Bs
MALEY, Eugene Pat.....	1414 Regina Street, Harrisburg, Pa.	Day
	Local: 327 Locust Avenue, Ardmore, Pa., c/o Mrs. Mabel E. Henderson	
MANWILLER, Karl Samuel, Jr.....	654 Arbor Road, Yeadon, Pa.	50 Bn
MAQUINAY, Robert.....	44 Avenue, General de Gaulle, Brussels, Belgium	6-746
	Local Address: c/o H. Atwood, 30 Rockefeller Plaza, Room 2243, New York 20, N.Y.	
MARONEY, Philip Marvel.....	437 Berkley Road, Haverford, Pa.	49 Bc
MARTIN, Donald Peckwith.....	2948 Oakford Road, Ardmore, Pa.	Day
MARTIN, Frank Bucha, Jr.....	822 - 15th Avenue, Prospect Park, Pa.	20 F
MARVIN, Cloyd.....	2540 Massachusetts Avenue, N.W., Washington, D.C.	9 M
MARVIN, John Howell W.....	100 Park Place, Kingston, Pa.	66 Bn
MASON, Samuel, III.....	Darlington, Md.	1 L
MATEER, George Diehl, Jr.....	2932 Rising Sun Road, Ardmore, Pa.	Day
MATHIAS, Edward Trail.....	103 Council Street, Frederick, Md.	13 L
MATLACK, William Fawley.....	3400 West School Lane, Philadelphia 44, Pa.	29 L

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
MAYER, Goetz.....	111 Allison Road, Willow Grove, Pa.	Day
McCANDLISS, Donald Henry.....	26 Union Avenue, S.E., Grand Rapids, Mich.	1-746
McCARN, Davis Barton.....	1011 - 13th Street, Wilmette, Ill.	33 L
McCLOUD, John Henry.....	c/o Hazlett Glazebrook, 16 East 9th Street, New York, N.Y.	3 G.H.
McGUIRE, Charles Robison.....	3310 Warrington Road, Shaker Heights, Ohio	26 L
McKINLEY, Richard Smallbrook, III.....	Arnold Inn, Northampton, Mass.	3-746
McLAUGHLIN, John Gerald, Jr.....	150 Lowell Avenue, Floral Park, N.Y.	9 Bs
McNUTT, Thomas Raymond.....	226 Fairlamb Avenue, Havertown, Pa.	Day
MEAD, Brian, Jr.....	11 Horseguard Lane, Scarsdale, N.Y.	34 L
MEAD, George Nathaniel Jackson.....	1825 Wynnewood Road, Overbrook, Philadelphia 31, Pa.	Day
MELCHER, William Palmer.....	26 Linwold Drive, West Hartford 7, Conn.	11 M
MELCHIOR, Charles Montfort.....	240 W. Montgomery Avenue, Haverford, Pa.	Day
MELDRUM, Donald Nichol.....	747 College Avenue, Haverford, Pa.	Day
MELICK, Richard Patton.....	122 Clark Street, Newton Centre, Mass.	22 Bs
METCALFE, Richard John.....	397 May Street, Worcester, Mass.	11 L
MILLER, Frederick S., Jr.....	83-09 Talbot Street, Kew Gardens, N.Y.	7 Bs
MILLER, James Quinter.....	10 Manor Drive, Tuckahoe 7, N.Y.	67 Bn
MILLER, Stephen Raben.....	1501 Undercliff Avenue, Bronx 53, N.Y.	6 G.H.
MILLER, William Beard.....	349 Ridgewood Avenue, Glen Ridge, N.J.	5 Bs
MILLER, William Henry.....	7703 Crossland Road, Baltimore 8, Md.	31 Bc
MILLIGAN, Barton.....	842 Cedar Terrace, Westfield, N.J.	14 L
MILYKO, Alexander Busch.....	Washington Avenue, Bayville, Long Island, N.Y.	12-521
MOHN, William Harbester.....	730 - 14th Avenue, Prospect Park, Pa.	Day
MONTGOMERY, Andrew Thompson.....	Room 926, 735 North Water Street, Milwaukee 2, Wis. Tel.: Ardmore 7274	36 L
MONTGOMERY, De Witt Hall, Jr.....	1617 South Pasfield Street, Springfield, Ill., Tel.: Ardmore 7358-R	2 L
MORAN, Robert Emmet, Jr.....	R.F.D. 3, Box 75, Bethesda, Md.	10 L

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
MORRELL, Roger Merritt.....	405 Vernon Road, Jenkintown, Pa.	4 M
MORITZ, John Alan.....	131 Dunster Road, Boston 30, Mass.	38 L
MORLEY, Anthony Jefferson.....	1 Wetherill Road, Washington 16, D.C.	4 G.H.
MORRIS, Albert Gregory.....	249 Woodbine Street, Brooklyn 21, N.Y.	113-115 M.A.
MORRIS, Robert Lee.....	90 Oakwood Avenue, Long Branch, N.J.	59 Bn
MOSER, Kenneth Miles.....	2923 North Charles Street, Baltimore 18, Md.	14 L
MOSES, Paul Bell.....	358 W. Spring Avenue, Ardmore, Pa.	Day
MUENCH, James F.....	c/o Dr. Hugo Muench, 55 Shattuck Street, Boston 15, Mass.	24 Bs
MUSSER, Frederic Omar, Jr.....	217 Spring Garden Street, Easton, Pa.	70 Bn
MYERS, Joseph W.....	506 West Mt. Airy Avenue, Philadelphia 19, Pa.	12 M
MYERS, Richard Norman.....	118 Coulter Avenue, Ardmore, Pa.	Day
N		
NASH, Henry Thomas.....	116 Rockland Road, Merion, Pa.	Day
NASON, Harry Baxter.....	Princeton Road, Cynwyd, Pa.	Day
NEUHAUS, Roland Charles.....	66 W. Eagle Road, Havertown, Pa.	Day
NEWLIN, William Harbold.....	840 Montgomery Avenue, Bryn Mawr, Pa.	Day
NOFER, George Hancock, II.....	632 West Elkins Avenue, Philadelphia, Pa.	15 Bs
NYI, Steven Hsienwen.....	47 Wan Ting Road, Shanghai, China	8-746
O		
OBEREMBT, Richard Joseph.....	2306 East Kensington Boulevard, Milwaukee 11, Wis.	29 L
OBERHOLTZER, Wendell Woodward.....	Mont Clare, Montgomery Co., Pa.	Day
OLIVIER, Daniel Dretzka.....	1303 John Street, Baltimore, Md.	9 G.H.
OLMSTED, Peter Scott, II.....	Rose Valley, Moylan, Pa.	Day
Local Address: 522 Oakley Road, Haverford, Pa.		
c/o Mr. Frederick Nelson		
Telephone: Ardmore 5906		
O'NEILL, Howard Tiel.....	Second Street Pike, Huntingdon Valley, Pa.	21 L
OPPENHEIM, Daniel Payne.....	3029 "O" Street, N.W., Washington 7, D.C.	38 Bc
OPPENHEIMER, Martin Julius.....	3506 Bancroft Road, Baltimore 15, Md.	37 Bc

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
OSWALD, David Statton.....	826 The Terrace, Hagerstown, Md.	27 L
OUELLETTE, Armand Roland.....	29 Elmhurst Avenue, Highland Park, Mich.	35 L
P		
PACKARD, Merlin Wadsworth.....	39 Gilbert Street, North Brookfield, Mass.	68 Bn
PARKE, Robert, Jr.....	50 Lancaster Avenue, Buffalo, N.Y.	9-10 L.H.
PARKE, Robert Gerber.....	The Riverside, Cambridge Springs, Pa.	15 L
PARKER, John Hunter.....	Columbia Pike, Route #2, Ellicott City, Md.	4-746
PARKES, Robert Irving, Jr.....	87 Ivy Way, Port Washington, N.Y.	10-521
PARRAN, Richard Bentley.....	8000 Rockville Pike, Bethesda, Md.	17 M
PATTERSON, Edward Pell, Jr.....	34 Lenape Road, Colwick, Merchantville, N.J.	6 L
PEASE, William.....	207 Bloomfield Avenue, Hartford, Conn.	10 M
PEDEN, James Clark, Jr.....	3855 S. Utica, Tulsa, Okla.	37 L
PEIFER, William Snare.....	309 Santa Rita Apts., Atlantic City, N.J.	14 Bs
PENICHE, William Manuel.....	30-47 - 81st Street, Jackson Heights, N.Y.	38 Bc
PENNINGTON, Richard Maier.....	161 Woodbine Road, Havertown, Pa.	Day
PENNYPACKER, Edward Lane.....	203 Kings Highway, West, Haddonfield, N.J.	16 Bs
PHILIPS, David Evan.....	500 Lee Avenue, Webster Groves, Mo.	15 Bs
PIERSON, Phillip Milroy.....	4452 Beacon Street, 2nd Apt., Chicago, Ill.	17 M
POTTS, Allen Maples, Jr.....	321 Douglass Street, Reading, Pa.	6 L
POWER, Richard Wilson.....	25 Pine Street, Canton, N.Y.	8 C.H.
PRICE, Robert Nelson.....	4918 Hillbrook Lane, Washington 16, D.C.	8 L
PROCKOP, Darwin Johnson.....	R. 1, Palmerton, Pa.	14 M
PROSSER, Robert Arthur.....	2047 Green Street, Philadelphia 30, Pa.	18 Bs
PUTNEY, William Taylor, III.....	34-09 - 83rd Street, Jackson Heights, N.Y.	10 L
Q		
QUILLEN, Robert James, Jr.....	110 W. 6th Street, New Castle, Delaware	13 Bs



## R

RADEBILL, Hugh Russell.....	7 LH
Moylan, Pa. Telephone: Ardmore 1504-W	
RANCK, James Byrne, Jr.....	71 Fn
20 W. Third Street, Frederick, Md.	
RANKIN, Richard Entwisle.....	24 L
715 East 20th Street, Chester, Pa.	
RAWNSLEY, Howard Melody.....	13 M
416 Park Street, Ridley Park, Pa.	
REEDER, Rudolph Rex, Jr.....	28 L
2616 North Lake Drive, Milwaukee 11, Wis.	
REITZEL, Nicolas Martin.....	6 Bs
512 Harvard Avenue, Swarthmore, Pa.	
RENINGER, Charles William.....	50 Bn
128 South St. Cloud Street, Allentown, Pa.	
REYNOLDS, Edward Allan.....	1 F
111 Spring Avenue, Chestertown, Md.	
REYNOLDS, James Conrad.....	16 L
208 West State Street, Kennett Square, Pa.	
RHOADS, William Lester, III.....	Day
206 Harding Avenue, Havertown, Pa.	
RHUE, Frederick Folsom.....	8 L
2547 North Summit Avenue, Milwaukee, Wisconsin	
RICHIE, Douglas Hooten.....	30 F
8 North Main Street, Brewster, N.Y.	
RICHIE, Robert Hooten, Jr.....	Day
Oakburne Road, West Chester, Pa. Local Address: 833 Buck Lane, Haverford, Pa. C/O Mrs. Frank Tenney	
RICKERMAN, Henry George.....	Day
731 Pennure Road, Haverford, Pa.	
RICKS, Richard Arnold, III.....	Day
1506 Westwood Ave., Richmond, Va. Local Address: 833 Buck Lane, Haverford, Pa. C/O Mrs. Frank Tenney	
RITCHIE, George Blake.....	2 Bs
25 Gore Street, Wilkes Barre, Pa.	
RITTENHOUSE, Percy Neel.....	Day
"Stomally", Box 343, West Chester, Pa.	
ROBBINS, Leon Cleveland, Jr.....	Day
Elmer, New Jersey Local Address: 780 College Avenue, Haverford, Pa. C/O Mrs. A. Robinson	
ROBERTS, Francis Herbert.....	Day
Pembroke Road, St. Davids, Pa.	
ROBERTSON, Robert Bruce Hoche.....	41 Bc
1334 Terry Avenue, Seattle 1, Wash.	
ROBERTSON, Walter Gordon.....	7 M
Box 164, R. 1, Port Blakely, Wash.	
RODEWALD, William Young.....	20 L
508 Edgerton Road, Pittsburgh 8, Pa.	
ROGOFF, Richard Caesar.....	107 M.A.
25 Eastern Parkway, Brooklyn, N.Y.	

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
ROSE, Charles Oscar.....	Rose Manor, East State Street, Doylestown, Pa. Telephone: Ardmore 7358-W	7 L
ROSENTHAL, David Richard.....	609 Reservoir Street, Baltimore 17, Md.	8 M
ROWE, David Knox.....	5209 North Sydenham Street, Philadelphia 41, Pa.	8 Bs
RUDISILL, Rufus Clare, III.....	352 Kenmore Avenue, Glenside, Pa.	4 M
RUFF, George Elson, Jr.....	234 W. Johnson Street, Philadelphia 44, Pa.	64 Hn
S		
SANGREE, Carl Michael, Jr.....	C/O Mr. Thomas E. Drake, 702 Pennstone Road, Bryn Mawr, Pa.	7-746
SANGREE, Charles Spahr.....	118 Paramount Parkway, Kenmore 17, N.Y.	9-10 L.H.
SANGREE, Walter Hinchman.....	C/O Mr. Thomas E. Drake, 702 Pennstone Road, Bryn Mawr, Pa.	Day
SCHLEGEL, Richard Arthur.....	434 Sunset Road, West Reading, Pa.	26 L
SCHMIDT, Carl Frederic, Jr.....	517 Old Gulph Road, Narberth, Pa.	Day
SCHNAARS, James Albert.....	Pettws-Y-Coed, Apt. 7, Bryn Mawr, Pa.	Day
SCHNEIDER, Stewart Porterfield.....	14 Hathaway Lane, Verona, N.J.	14 M
SCHULTZ, Merle Allen.....	44 Walton Avenue, Ardmore, Pa.	Day
SCHUMAN, Richard Waldron.....	Box 202, Latrobe, Pa. Local Address: 780 College Ave., Haverford, Pa. C/O Mrs. A. Robinson	D
SCHWARTZ, William.....	2921 East Newport Avenue, Milwaukee 11, Wis.	33 L
SCOTT, George Hubert.....	519 Valley View Road, Merion, Pa.	Day
SEARLE, Clayton Stanley, Jr.....	129 Winchester Road, Merion, Pa.	Day
SEARS, Donald Frederick, Jr.....	1305 Campbell Street, Williamsport 16, Pa.	31 L
SEDER, Eugene Isaac.....	R.D. 1, Gibsonia, Pa. Local Address: 605 Railroad Ave., Haverford, Pa. C/O Mr. Frank Ufford	Day
SEGAL, Arthur Gilbert.....	7801 Bayard Road, Philadelphia 19, Pa.	Day
SEGAL, Marvin.....	729 Snyder Avenue, Philadelphia 48, Pa.	Day
SEGAL, Richard Malcolm.....	7801 Bayard Road, Philadelphia 19, Pa.	Day
SEIDEL, Barry Lee.....	624 Mt. Laurel Avenue, Temple, Pa.	12-521

SEIFERT, Aurel Martin.....	14 M
162 Kimball Terrace, Yonkers, N.Y.	
SEITH, David Wood.....	6 M
117 West Oak Avenue, Moorestown, N.J.	
SELIGSOHN, Walter I.....	9-10 L.H.
590 Fort Washington Avenue, New York 33, N.Y.	
SELINGER, Maurice Arthur, Jr.....	26 L
1868 Columbia Road, Washington, D.C.	
SELLERS, Alexander Deacon.....	19 F
6600 McCallum Street, Philadelphia, Pa.	
SENER, Joseph Ward, Jr.....	15 M
108 W. University Parkway, Baltimore 10, Md.	
SHAKESPEARE, Edward Oram.....	Day
248 Conestoga Road, Wayne, Pa.	
SHARPLESS, Francis Parvin, Jr.....	70 Bn
585 North School Lane, Lancaster, Pa.	
SHEARER, Charles Robert.....	Day
7528 Rogers Avenue, Upper Darby, Pa.	
SHEPARD, Royal Francis, Jr.....	16 L
24 Hamilton Road, Glen Ridge, N.J.	
SHIEN, Gi-Ming.....	Day
Chung-King, China	
Local Address: Pendle Hill, Wallingford, Pa.	
SHIPLEY, Paul Emlen.....	8 Bs
8105 Ardmore Avenue, Philadelphia 18, Pa.	
SHOFFSTALL, Donald Hugh.....	18 L
76 Chestnut Street, Maplewood, New Jersey	
SINGER, Ellis Paul.....	38 L
139 Tuscan Road, Maplewood, N.J.	
SMILEY, Francis Gerow, Jr.....	102 M.A.
Lake Mohonk, N.Y.	
SMITH, Allen John.....	6 M
141 East Market Street, York, Pa.	
SMITH, Drayton Mellor.....	7a F
Germantown Manor 804, Hortter and Greene Sts., Philadelphia, Pa.	
SMITH, Henry Clement, II.....	18 L
124 Lemon St., Media, Pa.	
SMITH, Merle Furlough.....	4 L
Box 74, Polton Landing, N.Y.	
Telephone: Ardmore 7358-J	
SMITH, Paul Reynolds.....	9-746
509 Brookview Lane, Havertown, Pa.	
SMITH, Robert Lawrence.....	Day
Local Address: 627 Walnut Lane, Haverford, Pa.,	
C/O Mrs. Richard L. Cary	
SMITH, Robert Wadsworth.....	14 Bs
49 Prospect Hill Avenue, Summit, N.J.	
SMYTH, Francis Scott, Jr.....	29 Bc
916 Jackling Drive, Furlingame, Cal.	
SNADER, Edward Roland, III.....	50 Bn
547 Sussex Road, Wynnewood, Pa.	
SNIFFEN, Allan Mead.....	27 L
25 South Madison Avenue, Spring Valley, N.Y.	

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
SNIPES, Edgar Thomas.....	Lincoln Highway, Morrisville, Pa.	9 G.H.
SPAETH, Karl Henry.....	7021 Clearview Street, Philadelphia 19, Pa.	7 L.H.
SPARKS, Donald Irving.....	445 Roxborough Avenue, Roxborough, Philadelphia, Pa. Telephone: Ivy Ridge 2-2936-W	Day
SPROULE, Joseph.....	College Lane & Darby Road, Haverford, Pa.	Day
STANMYER, Joseph LeRoy, Jr.....	702 East Willow Grove Avenue, Philadelphia, Pa.	16 M
STARKWEATHER, Howard Warner, Jr.....	815 Augusta Road, Wilmington 67, Del.	36 L
STEERE, Paul Winsor.....	409 East Ridge Street, Marquette, Mich.	14 L.H.
STEERE, Peter Kormann.....	409 East Ridge Street, Marquette, Mich.	4 L
STEERE, Thomas Hopkins.....	30 Buck Lane, Haverford, Pa.	Day
STERN, Harris Irving.....	1213 Stratford Avenue, Melrose Park, Philadelphia 26, Pa.	16 M
STERN, Thomas Louis.....	88-10 Whitney Avenue, Elmhurst, Long Island, N.Y.	66 Bn
STETTENHEIM, Peter Rich.....	901 Lexington Avenue, New York 21, N.Y. Telephone: Ardmore 7318-J	16 Bs
STEVENS, Thomas McConnell.....	405 State Road, Bala-Cynwyd, Pa.	Day
STEWART, David William, II.....	125 Windsor Avenue. Narberth, Pa.	Day
STONE, John Alexander.....	773 College Avenue, Haverford, Pa., c/o Dr. Frank Watson	Day
STOTT, Paul Richard.....	905 South Main Street, Newark, N.Y.	41 Bc
STREETER, Edward, Jr.....	447 East 57th Street, New York City, N.Y.	21 L
STROHL, Harold Frederick.....	24 East Clearfield Road, Havertown, Pa.	Day
SUTTON, Robert Leeds.....	785 College Avenue, Haverford, Pa.	34 Bc
SWARTLEY, Ray Moyer.....	Squirrel Lane, Lansdale, Pa.	7 L
SWARTLEY, William Moyer.....	Squirrel Lane, Lansdale, Pa.	36 L
T		
TABOGA, Diogenes Anthony Henry.....	8012 Roanoke Street, Philadelphia, Pa.	Day
TAGGART, George Webster.....	1249 East Broad Street, Hazleton, Pa.	19 L
TANG, Wei-Zing Chi-Cheong.....	161 Wongneichong Road, Hong Kong, China	8-746



<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
TARR, Stanley Richardson.....	Day 4904 Roosevelt Boulevard, Philadelphia 24, Pa.	
TASSMAN, William Samuel.....	8 Bs 6540 Wissahickon Avenue, Philadelphia 19, Pa.	
TATNALL, Runcie Lea, Jr.....	Day 26 Hilltop Road, Chestnut Hill, Philadelphia 18, Pa.	
TAYLOR, Richard Clark.....	13 M 713 Cameron Street, Alexandria, Va.	
TEST, Edward Webster.....	20 L Whitemarsh Road, Philadelphia 18, Pa.	
THAWLEY, Stanley Brevoort.....	8 L.H. 245 North Somerset Avenue, Crisfield, Md.	
THOMAS, David Edward.....	33 Bc 518 Foss Avenue, Drexel Hill, Pa.	
THOMAS, John Paca.....	Day 212 West Highland Avenue, Chestnut Hill, Philadelphia 18, Pa.	
THOMAS, John Wright.....	18 L 78 Chestnut Street, Maplewood, N.J.	
THOMAS, Sergei Cleaver.....	104 M.A. 149 Lincoln Avenue, Newark 4, N.J.	
THORNTON, Thomas Perry.....	Day Mermont Plaza, Bryn Mawr, Pa.	
THORPE, James Hancock.....	69 Bn 28-22 - 211th Street, Bayside, N.Y.	
TILLEY, David Campbell.....	15 Bs 7 Plaza Street, Brooklyn 17, N.Y.	
TODD, John Arnold.....	7b F "Glennburn," Doylestown, Pa.	
TODD, Thomas Abbot.....	7b F "Glennburn," Doylestown, Pa.	
TODD, William Ewell, Jr.....	22 Bs 3609 Warren Road, Cleveland, Ohio	
TOLAN, David John.....	5 L 2907 North Marietta Avenue, Milwaukee 11, Wis. Telephone: Ardmore 7338 R	
TOLLIN, Solis.....	21 F 318 East 21st Street, Chester, Pa.	
TRACCARELLA, Edmund A.....	21 Bs 1010 Delaware Avenue, Wilmington, Delaware	
TRAVERS, John Edwin.....	2-746 715 Delaware Avenue, Buffalo 9, N.Y.	
TREYNOR, Jack Lawrence.....	12 Bs 424 Oakland Avenue, Council Bluff, Iowa	
TRUMPER, David Keim.....	14 L.H. 155 Summit Lane, Bala-Cynwyd, Pa.	
TUCKER, Robert Newbold.....	28 L The "Lagoon," Paget East, Bermuda	
TURLEY, Keith Harold.....	30 L 501 Camden Avenue, Moorestown, N.J.	
TURNER, Conrad William.....	Day 307 Hamilton Road, Wynnewood, Pa.	
TUTTLE, Edwin Ellsworth.....	34 L 76 Hillcrest Avenue, Summit, N.J.	
TYCHANICH, John Dimitri.....	12 L 53 Balmforth Avenue, Danbury, Conn.	

Name

Home Address

College Address

## V

- VAIL, Philip Cresson.....30 F  
502 W. Front Street, Media, Pa.
- VALENTINE, Richard Silsbee.....Day  
130 N. Allegheny Avenue, Bellefonte, Pa.  
Local Address: 111 Mon Dela Avenue, Bryn Mawr, Pa.  
c/o Mrs. Herman C. Giersch
- VAN ARKEL, Bernard.....Day  
960 Glenbrook Road, Bryn Mawr, Pa.
- VITELLO, John Arthur.....14 Bs  
761 West Main Street, Rochester 11, N.Y.
- VOGEL, William Whitten.....Day  
218 Avon Road, Narberth, Pa.

## W

- WALKER, Ian Gordon.....47 Bc  
Frog Hollow Road, Rydal, Pa.
- WALNUT, Francis Kane.....16 F  
1 Lehman Lane, Philadelphia 44, Pa.
- WARNER, William Hamer.....23 Bs  
1344 Denniston Street, Pittsburgh 17, Pa.
- WARNKEN, Henry Frederick.....3rd Fl. M.A.  
81 Chestnut Street, Oneonta, N.Y.
- WELSH, Charles Newbold.....Day  
Buck Lane, Haverford, Pa.
- WESTHEAD, Edward William, Jr.....Day  
St. Davids Court, St. Davids, Pa.
- WHEELER, Edward Stubbs.....34 L  
Greencastle, R.D. 33, Pa.
- WHITALL, Walter Brinton.....48 Bc  
5363 Magnolia Avenue, Philadelphia 44, Pa.  
Telephone: Ardmore 7318-W
- WHITBY, William Melcher.....Day  
127 East Upsal Street, Philadelphia 19, Pa.
- WHITCOMB, Harold C., Jr.....22 L  
337 N. 25th Street, Camp Hill, Pa.
- WHITE, Robert Phillips.....Day  
464 Turner Avenue, Drexel Hill, Pa.
- WHITMAN, John Turner.....8 M  
Nashawtuc Hill, Concord, Mass.
- WICKHAM, Robert Saunderson, II.....Day  
Waterloo Road, Devon, Pa.
- WIGFIELD, Harvey.....Day  
337 Wister Road, Wynnewood, Pa.
- WIGHTMAN, Arthur Harvey.....27 L  
1025 Grand Avenue, Keokuk, Iowa
- WILBUR, Donald Elliott, Jr.....11 Bs  
115 Pennsylvania Avenue, Bryn Mawr, Pa.
- WILCOX, John Rogers.....16 L  
624 Commonwealth Avenue, Allentown, Pa.
- WILLIAMS, Robert Deland.....Day  
710 Pennstone Road, Bryn Mawr, Pa.

<i>Name</i>	<i>Home Address</i>	<i>College Address</i>
WILLOUGHBY, Alan Thomas.....	6239 Homer Street, Philadelphia 44, Pa.	33 L
WILSON, Ernest Staton, Jr.....	Ridge Road & Walnut Lane, Wilmington 278, Del.	106 M.A.
WINGERD, Robert Aitken.....	Edgar Avenue & Riddle Road, Chambersburg, Pa.	32 L
WIXOM, William David.....	710 Carpenter Lane, Philadelphia 19, Pa.	42 Bc
WOOD, Harry Dunseth.....	1321 East 56th Street, Chicago, Ill.	25 L
WOOD, Horatio C., 4th.....	4309 Prospect Road, Peoria, Ill.	16 Bs
WOOD, James.....	"Braewold," Mt. Kisco, N.Y.	48 Bc
WOOD, John Lewdrop.....	1452 Braddock Lane, Penn Wynne, Philadelphia 31, Pa.	Day
WRIGHT, Daniel Ranney.....	3310 W. 131st Street, Cleveland, Ohio	101 M.A.
WRIGHT, Theodore Craig.....	107 Lee Avenue, Trenton 8, N.J.	22 F
Z		
ZERRER, John Gehri.....	8223 Cadwalader Avenue, Elkins Park, Pa.	42 Bc
ZIMMERMAN, Thomas Carskadon.....	Serverna Park, Md., c/o Mr. L. S. Zimmerman	32 L
ZWEIFLER, Andrew Jonathan.....	46 Wilbur Avenue, Newark 8, N.J.	7 Bs
ZWEIFLER, Nathan Joseph.....	46 Wilbur Avenue, Newark 8, N.J.	22 L





COLLEGE OFFSET PRESS

148-150 N SIXTH ST., PHILADELPHIA 6, PA

Issued October, November, December and  
February by Haverford College, Haverford, Pa.

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1947-1948

CATALOG

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# HAVERFORD COLLEGE

## BULLETIN



1947-1948

HAVERFORD, PENNSYLVANIA

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	11	12	13	14	15	16	17		11	12	13	14	15	16	17	
	18	19	20	21	22	23	24		18	19	20	21	22	23	24	
	25	26	27	28	29	30	31		25	26	27	28	29	30	...	
Feb.	S	M	T	W	T	F	S	May	S	M	T	W	T	F	S	
	1	2	3	4	5	6	7		...	...	...	...	...	...	1	
	8	9	10	11	12	13	14		2	3	4	5	6	7	8	
	15	16	17	18	19	20	21		9	10	11	12	13	14	15	
	22	23	24	25	26	27	28		16	17	18	19	20	21	22	
	29	...	...	...	...	...	...		23	24	25	26	27	28	29	
March	S	M	T	W	T	F	S	June	S	M	T	W	T	F	S	
	...	1	2	3	4	5	6		...	...	1	2	3	4	5	
	7	8	9	10	11	12	13		6	7	8	9	10	11	12	
	14	15	16	17	18	19	20		13	14	15	16	17	18	19	
	21	22	23	24	25	26	27		20	21	22	23	24	25	26	
	28	29	30	31	...	...	...		27	28	29	30	...	...	...	

College Days in heavy-faced type.



# Calendar

1947-1948

Registration of all new students .....	Sept. 22-23
Beginning of College year with Assembly, 9 a.m.;	
registration of returning students .....	Sept. 24
First semester classes begin 8 a.m. ....	Sept. 25
Thanksgiving recess (dates inclusive) .....	Nov. 27-30
First quarter ends .....	Nov. 26
Christmas recess (dates inclusive) .....	Dec. 21-Jan. 4
First semester classes in major subjects end for	
Students taking comprehensives .....	Jan. 17
Senior comprehensive examinations .....	Jan. 21-24
First semester classes end (except for graduating	
Seniors in major subjects) .....	Jan. 22
Mid-year examinations (dates inclusive) .....	Jan. 26-Feb. 7
Second semester begins with registration of all new	
students, 9 a.m.;	
approved second semester programs of returning	
students must be filed by 5 p.m. ....	Feb. 9
Second semester classes begin, 8 a.m.; assembly for	
all students, 11 a.m. ....	Feb. 10
Third quarter ends .....	Mar. 27
Spring recess (dates inclusive) .....	Mar. 28-Apr. 4
Second semester classes in major subjects end for	
students taking comprehensives .....	May 20
Senior comprehensive examinations .....	May 24-27
Second semester classes end (except for graduating	
Seniors in major subjects) .....	May 25
Final examinations (dates inclusive) .....	May 28-June 11
Commencement .....	June 12

# Corporation of Haverford College

## *Officers*

DR. S. EMLÉN STOKES, *President*  
Moorestown, N. J.

J. HENRY SCATTERGOOD, *Treasurer*  
1616 Walnut Street, Philadelphia 3

JOHN F. GUMMERE, *Secretary*  
W. School Lane and Fox Street, Philadelphia 44

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## MEMBERS OF THE STANDING NOMINATING COMMITTEE OF THE CORPORATION

### *Term Expires 1948*

HENRY C. EVANS, 635 Manatawna Avenue, Philadelphia 28

WILMOT R. JONES, Alapocas Drive, Wilmington, Del.

RICHARD M. SUTTON, 785 College Avenue, Haverford, Pa.

### *Term Expires 1949*

WILLIAM M. MAIER, Bailey Building, Philadelphia 7

I. THOMAS STEERE, 375 W. Lancaster Avenue, Haverford, Pa.

PAUL W. BROWN, Downingtown, Pa.

### *Term Expires 1950*

STANLEY R. YARNALL, 5337 Knox Street, Philadelphia 44

WILLIAM E. CADBURY, 225 South 15th Street, Philadelphia 2

HUBERT R. TAYLOR, 910 Girard Trust Building, Philadelphia 2

# Board of Managers

## *Ex-officio as Officers of Corporation*

DR. S. EMLÉN STOKES, *President*, Moorestown, N. J.

J. HENRY SCATTERGOOD, *Treasurer*, 1616 Walnut Street, Philadelphia 3

JOHN F. GUMMERE, *Secretary*, W. School Lane and Fox Street, Philadelphia 44

## *Term Expires 1948*

CHARLES J. RHODES, Ithan Road, Bryn Mawr, Pa.

EDWARD W. EVANS, Awbury, Germantown, Philadelphia 44

WILLIAM A. BATTEY, 605 Walnut Lane, Haverford, Pa.

DR. FREDERIC C. SHARPLESS, Rosemont, Pa.

ALFRED BUSSELLE, 220 E. 36th Street, New York, N. Y.

JOHN A. SILVER, Tabor Road and E. Adams Avenue, Philadelphia 20

WILLIAM B. BELL, Rockefeller Plaza, New York, N. Y.

WILMOT R. JONES, Alapocas Drive, Wilmington, Del.

\*PAUL V. R. MILLER, 1700 Girard Trust Building, Philadelphia 2

\*CHARLES S. RISTINE, Fidelity-Philadelphia Trust Building, Philadelphia 9

## *Term Expires 1949*

FREDERIC H. STRAWBRIDGE, 801 Market Street, Philadelphia 7

JONATHAN M. STEERE, 1318 Girard Trust Building, Philadelphia 2

L. HOLLINGSWORTH WOOD, 133 E. 40th Street, New York 16, N. Y.

STANLEY R. YARNALL, 5337 Knox Street, Philadelphia 44

WILLIAM W. COMFORT, Haverford, Pa.

DR. HENRY M. THOMAS, JR., 1201 N. Calvert Street, Baltimore 2, Md.

ALEXANDER C. WOOD, JR., 325 Chestnut Street, Philadelphia 6

HAROLD EVANS, 1000 Provident Trust Building, Philadelphia 3

\*W. NELSON WEST, III, 1411 Walnut Street, Philadelphia 2

## *Term Expires 1950*

MORRIS E. LEEDS, 1025 Westview Street, Philadelphia 19

M. ALBERT LINTON, 4601 Market Street, Philadelphia 39

EDWARD WOOLMAN, Haverford, Pa.

THOMAS W. ELKINTON, 121 S. 3rd Street, Philadelphia 6

HENRY C. EVANS, 635 Manatawna Avenue, Philadelphia 28

WILLIAM M. MAIER, Bailey Building, Philadelphia 7

\*J. COLVIN WRIGHT, 116 E. Penn Street, Bedford, Pa.

GARRETT S. HOAG, 131 Glen Road, Wellesley Farms, Mass.

\* Alumni Representative Manager.

## *Faculty Representatives on Board of Managers*

*Term Expires 1948*

HOWARD M. TEAF, JR.

*Alternates, 1947-48: CARL B. ALLENDOERFER and EDWARD D. SNYDER*

*Term Expires 1949*

FRANK W. FETTER

## OFFICERS

*Chairman of Board*

DR. S. EMLÉN STOKES

*Secretary of Board*

WM. NELSON WEST, III

## STANDING COMMITTEES OF THE BOARD OF MANAGERS OF THE CORPORATION OF HAVERFORD COLLEGE

*The Chairman of the Board is an ex-officio  
member of all committees*

### *Executive Committee*

S. EMLÉN STOKES, *Chairman*

THOMAS W. ELKINTON

EDWARD W. EVANS

JOHN F. GUMMERE

WILMOT R. JONES

MORRIS E. LEEDS

PAUL V. R. MILLER

J. HENRY SCATTERGOOD

FREDERIC C. SHARPLESS

JONATHAN M. STEERE

WM. NELSON WEST, III

ALEXANDER C. WOOD, JR.

### *Committee on Finance and Investments*

JONATHAN M. STEERE, *Chairman*

M. ALBERT LINTON

WILLIAM M. MAIER

CHARLES S. RISTINE

J. HENRY SCATTERGOOD

ALEXANDER C. WOOD, JR.

### *Committee on College Property and Farm*

WILLIAM A. BATTEY, *Chairman*

THOMAS W. ELKINTON

HENRY C. EVANS

JOHN A. SILVER

FREDERICK H. STRAWBRIDGE

EDWARD W. WOOLMAN

### *Committee on Honorary Degrees*

HENRY M. THOMAS, JR., *Chairman*

WILLIAM W. COMFORT

HAROLD EVANS

MORRIS E. LEEDS

M. ALBERT LINTON

STANLEY R. YARNALL

### *Library Committee*

ALEXANDER C. WOOD, JR., *Chairman*

WILLIAM W. COMFORT

WILMOT R. JONES

### *Counsel*

MACCOY, BRITTAIN, EVANS AND LEWIS  
1632 Chestnut Street, Philadelphia 3



## Faculty

- GILBERT FOWLER WHITE .....*President*  
S.B., S.M., and Ph.D., University of Chicago.
- WILLIAM WISTAR COMFORT .....*President, Emeritus*  
A.B., and LL.D., Haverford College; A.B., A.M., and Ph.D., Harvard University;  
Litt.D., University of Pennsylvania; LL.D., University of Maryland and Lake  
Forest College.
- RUFUS MATTHEW JONES .....*T. Wistar Brown Professor of Philosophy, Emeritus*  
A.B., A.M., and LL.D., Haverford College; A.M. and D.D., Harvard University;  
Litt.D., Penn College; LL.D., Swarthmore College, Earlham College, and Wil-  
liams College; D. Theol., University of Marburg; D.D., Yale University;  
D.Lit.Hum., Colgate University; S.T.D., Colby College and Columbia Univer-  
sity; H.Litt.D., Jewish Institute of Religion.
- LEGH WILBUR REID .....*Professor of Mathematics, Emeritus*  
S.B., Virginia Military Institute; A.B., Johns Hopkins University; S.M., Prince-  
ton University; Ph.D., University of Göttingen.
- ALBERT HARRIS WILSON .....*Professor of Mathematics, Emeritus*  
S.B., and S.M., Vanderbilt University; Ph.D., University of Chicago.
- HENRY VOLKMAR GUMMERE.....*Lecturer in Astronomy, Emeritus*  
S.B., A.M., and Sc.D., Haverford College; A.M., Harvard University.
- FREDERIC PALMER, JR. ....*Professor of Physics, Emeritus*  
A.B., A.M., and Ph.D., Harvard University.
- LEON HAWLEY RITTENHOUSE .....*Professor of Engineering, Emeritus*  
M.E., Stevens Institute of Technology.

*(The active members of the Faculty are arranged in the order of their  
appointment to their present rank. Two or more appointed in  
the same year are listed in alphabetical order.)*

- WILLIAM EDWARD LUNT.....*Walter D. and Edith M. L. Scull*  
A.B. and L.H.D., Bowdoin College; *Professor of English Constitutional History*  
A.M. and Ph.D., Harvard University.
- FRANK DEKKER WATSON .....*Professor of Sociology and Social Work*  
S.B. in Economics and Ph.D., University of Pennsylvania.
- DEAN PUTNAM LOCKWOOD.....*Professor of Latin*  
A.B., A.M., and Ph.D., Harvard University.
- WILLIAM BUELL MELDRUM.....*John Farnum Professor of Chemistry*  
B.A., and M.Sc., McGill University; Ph.D., Harvard University.
- \*LEVI ARNOLD POST .....*Professor of Greek*  
A.B. and A.M., Haverford College; A.M., Harvard University; B.A. and M.A.,  
Oxford University.
- EMMETT REID DUNN .....*David Scull Professor of Biology*  
A.B. and A.M., Haverford College; Ph.D., Harvard University.
- EDWARD DOUGLAS SNYDER .....*Professor of English*  
A.B., Yale University; A.M. and Ph.D., Harvard University.

- \* Absent on leave, second semester, 1947-48.

- \*FRANK WHITSON FETTER .....*Professor of Economics*  
A.B., Swarthmore College; A.M., Harvard University; A.M. and Ph.D., Princeton University.
- †JOHN ALEXANDER KELLY .....*Professor of German*  
A.B., Emory and Henry College; A.M. and Ph.D., Columbia University.
- †DOUGLAS VAN STEERE .....*Professor of Philosophy*  
S.B., Michigan State College; B.A., Oxford University; A.M. and Ph.D., Harvard University.
- †CLETUS O'DIA OAKLEY .....*Professor of Mathematics*  
B.S., University of Texas; S.M., Brown University; Ph.D., University of Illinois.
- RICHARD MANLIFFE SUTTON .....*Professor of Physics*  
S.B., Haverford College; Ph.D., California Institute of Technology.
- †RALPH MILLARD SARGENT .....*F. B. Gummere Professor of English*  
A.B., Carleton College; Ph.D., Yale University.
- CARL BARNETT ALLENDOERFER .....*Professor of Mathematics*  
S.B., Haverford College; B.A. and M.A., Oxford University; Ph.D., Princeton University.
- HOWARD MORRIS TEAF, JR. ....*Professor of Economics*  
B.S. in Economics, A.M., and Ph.D., University of Pennsylvania.
- JOHN WILLIAM FLIGHT .....*Professor of Biblical Literature*  
B.A., Hope College; M.A., Yale University; B.D. and Ph.D., Hartford Theol. Sem.
- JOHN GOODWIN HERNDON .....*Professor of Public Finance*  
A.B. and M.A., Washington and Lee University; Ph.D., University of Pennsylvania.
- ABRAHAM PEPINSKY .....*Professor of Psychology*  
B.A. and M.A., University of Minnesota; Ph.D., The State University of Iowa.
- †IRA DE AUGUSTINE REID.....*Professor of Sociology*  
A.B., Morehouse College; M.A., University of Pittsburgh; Ph.D., Columbia University.
- ALFRED JULIUS SWAN.....*Associate Professor of Music on joint*  
B.A. and M.A., Oxford University. *appointment with Swarthmore College*
- HARRY WILLIAM PFUND .....*Associate Professor of German*  
A.B., Haverford College; A.M. and Ph.D., Harvard University.
- HOWARD COMFORT.....*Associate Professor of Latin and Greek*  
A.B., Haverford College; A.M. and Ph.D., Princeton University; F.A.A.R., American Academy in Rome.
- ALEXANDER JARDINE WILLIAMSON .....*Associate Professor of Romance Languages*  
A.B., Haverford College; A.M. and Ph.D., Princeton University.
- ROY EARL RANDALL .....*Associate Professor of Physical Education*  
Ph.B., Brown University. *and Director of Intercollegiate Athletics*
- THOMAS EDWARD DRAKE .....*Associate Professor of American History*  
A.B., Stanford University; M.A., University of Michigan; Ph.D., Yale University.
- CLAYTON WILLIAM HOLMES .....*Associate Professor of Engineering*  
B.S. and M.E., University of New Hampshire; A.M., Haverford College.
- RICHARD MAX BERNHEIMER .....*Associate Professor of History of Art on joint*  
Ph.D., University of Munich. *appointment with Bryn Mawr College*
- WILLIAM EDWARD CADBURY, JR. ....*Associate Professor of Chemistry*  
S.B. and A.M., Haverford College; Ph.D., University of Pennsylvania.

\* Absent, Second Semester, 1947-48.

† Absent on leave, 1947-48.

- THOMAS OSWELL JONES .....*Associate Professor of Chemistry*  
B.E., Oshkosh Teachers College; Ph.M. and Ph.D., University of Wisconsin.
- HOWARD KNICKERBOCKER HENRY .....*Assistant Professor of Biology*  
B.S., University of Pennsylvania.
- THEODORE BRINTON HETZEL .....*Assistant Professor of Engineering*  
S.B., Haverford College; B.S. in M.E., University of Pennsylvania; M.S. and Ph.D., Pennsylvania State College.
- ALFRED WILLIAM HADDLETON.....*Assistant Professor of Physical Education*
- LOUIS CRAIG GREEN .....*Assistant Professor of Astronomy*  
A.B., A.M., and Ph.D., Princeton University.
- LAURENCE WILLIAM WYLIE.....*Assistant Professor of French*  
B.A. and M.A., University of Indiana; Ph.D., Brown University.
- MANUEL JOSE ASENSIO .....*Assistant Professor of Spanish*  
B.A., University of Granada; Pericial de Aduanas, Academia Oficial de Aduanas, Madrid; M.A., University of Pennsylvania.
- WILLIAM DOCHERTY .....*Assistant Professor of Physical Education*  
S.B., Temple University.
- FRANCIS COPE EVANS .....*Assistant Professor of Biology*  
S.B., Haverford College; D.Phil., Oxford University.
- JOHN ASHBY LESTER, JR. ....*Assistant Professor of English*  
B.S., Haverford College; A.M. and Ph.D., Harvard University.
- THOMAS ALONZO BENHAM .....*Assistant Professor of Physics*  
B.S. and M.S., Haverford College.
- EDWARD GRANT MEADE .....*Assistant Professor of Government*  
A.B., Dartmouth College; M.A., University of Wisconsin; M.A.L.D., Fletcher School of Law and Diplomacy.
- FRANCES DE GRAAFF .....*Assistant Professor of Russian on joint*  
Ph.D., University of Leyden. *appointment with Bryn Mawr College*
- J. GLENN GRAY .....*Assistant Professor of Philosophy*  
A.B., Juniata College; M.A., University of Pittsburgh; Ph.D., Columbia University.
- FRIEDRICH BRUNS .....*Visiting Professor of German*  
A.B., Wartburg College; M.A. and Ph.D., University of Wisconsin.
- ARTHUR BYRON COBLE .....*Visiting Professor of Mathematics*  
A.B., A.M., LL.D., Gettysburg College; Ph.D., Johns Hopkins University.
- FRANKLIN GARY .....*Visiting Professor of English*  
A.B., Princeton University; B.Litt., Oxford University.
- PAUL SCHRECKER .....*Visiting Professor of Philosophy on joint appointment*  
LL.D., University of Vienna; *with Bryn Mawr and Swarthmore Colleges*  
Ph.D., University of Berlin.
- HERBERT WILLIAM TAYLOR .....*Lecturer in Hygiene*  
A.B., Haverford College; M.D., University of Pennsylvania
- MARTIN FOSS .....*Lecturer in Philosophy*  
LL.D., University of Jena.
- FRANK S. GLENDENING .....*Lecturer in Accounting*  
B.S. and C.P.A., University of Pennsylvania.
- PHILIP ERNEST JACOB .....*Lecturer in Government*  
B.A., Yale University; M.A., University of Pennsylvania; Ph.D., Princeton University.

WILLIAM FREDERICK SOLLMANN .....	<i>Lecturer in Government</i>
ARLINGTON EVANS .....	<i>Instructor in Physical Education</i>
B.P.E., Normal College A. G. U.; M.S. Temple University.	
JOHN OTTO RANTZ.....	<i>Instructor in Engineering</i>
Graduate of the Williamson Free School of Mechanical Trades.	
ELISA ASENSIO .....	<i>Instructor in Spanish</i>
FREDERICK NAHUM SASS .....	<i>Instructor in Economics</i>
B.S., Temple University.	
JOHN ASHMEAD, JR. ....	<i>Instructor in English</i>
B.A. and M.A., Harvard University.	
JOHN ELSON BAER .....	<i>Instructor in Chemistry</i>
B.A., Swarthmore College; M.S., University of Pennsylvania.	
OTTO THEODOR BENFEY .....	<i>Instructor in Chemistry</i>
B.Sc. and Ph.D., London University.	
JACOB GEORGE SEIDENBERG .....	<i>Instructor in Economics</i>
B.S., Temple University; LL.B., University of Pennsylvania.	
ALFRED GILBERT STEER, JR. ....	<i>Instructor in German</i>
B.A., Haverford College; M.A., Duke University.	
DONALD LAURENCE THOMSEN, JR. ....	<i>Instructor in Mathematics</i>
B.A., Amherst College; Ph.D., Massachusetts Institute of Technology.	
MARIE FRIEDERIKE PFUND .....	<i>Instructor in German</i>
NORMAN BARGE BRAMALL .....	<i>Assistant in Physical Education</i>
SAMUEL TUCKER FOX, III .....	<i>Assistant in English</i>
MONROE EDWARD ALENICK .....	<i>Assistant in Chemistry</i>
B.A., Haverford College.	
PHILIPPE ANTOINE EMANUEL .....	<i>Assistant in French</i>
Licencié en Droit.	
LEONARD SIDNEY LEVITT .....	<i>Assistant in Chemistry</i>
B.A., and B.S., Pennsylvania State College.	
LILLIAN ZARETSKY .....	<i>Assistant in Psychology</i>
B.A., University of Pennsylvania.	
WILLIAM HEARTT REESE .....	<i>Director of Glee Club and Orchestra</i>
A.B., Amherst College; on joint appointment with Bryn Mawr College	
M.A. Columbia University; Ph.D., University of Berlin.	
WALTER TOMAN .....	<i>Oberlaender Trust Fellow from Austria</i>
Ph.D., University of Vienna.	

*The Dean and the Comptroller are members of the Faculty.*



## Administration

GILBERT FOWLER WHITE .....	<i>President</i>
S.B., S.M., and Ph.D., University of Chicago.	
ARCHIBALD MACINTOSH .....	<i>Vice-President and Director of Admissions</i>
A.B., Haverford College; A.M., Columbia University.	
GILBERT THOMAS HOAG .....	<i>Dean</i>
A.B., Haverford College; A.M and Ph.D., Harvard University.	
ABRAHAM PEPINSKY .....	<i>Registrar</i>
B.A. and M.A., University of Minnesota; Ph.D., The State University of Iowa.	
MRS. FLORENCE B. STULB .....	<i>Assistant Registrar</i>
ALDO CASELLI .....	<i>Comptroller and Business Manager</i>
D.S.E. and C., University of Naples.	
DEAN PUTNAM LOCKWOOD .....	<i>Librarian</i>
A.B., A.M., and Ph.D., Harvard University.	
THOMAS EDWARD DRAKE .....	<i>Curator of the Quaker Collection</i>
A.B., Stanford University; M.A., University of Michigan; Ph.D., Yale University.	
AMY LYDIA POST .....	<i>Assistant Librarian</i>
A.B., Earlham College.	
HERBERT WILLIAM TAYLOR .....	<i>Physician in Charge</i>
A.B., Haverford College; M.D., University of Pennsylvania.	
MABEL SYLVIA BEARD .....	<i>Resident Nurse</i>
R.N., Lankenau Hospital.	
LOUIS CRAIG GREEN .....	<i>Director of the Strawbridge Memorial Observatory</i>
A.B., A.M., and Ph.D., Princeton University.	
SEATON SCHROEDER .....	<i>Superintendent of Buildings and Grounds</i>
B.S. and C.E., University of Pennsylvania.	
MRS. ETHEL ELIZABETH BEATTY .....	<i>Dietician</i>
BENNETT SMEDLEY COOPER .....	<i>Alumni Secretary and Assistant to the President</i>
B.S., Haverford College.	
MRS. ALICE MATTSON BERRY .....	<i>Secretary to the President</i>
GERTRUDE MANN WONSON .....	<i>Admissions Office</i>
B.S., Simmons College.	

## Standing Committees of the Faculty and Administration

The President and the Vice-President are ex-officio members of all committees. The President, the three elected divisional representatives of the Faculty, the Vice-President and the Dean compose the Academic Council. Under the chairmanship of the President this body meets occasionally to consider student petitions and matters of college policy. The elected members for 1947-48 are Messrs. Teaf (Social Science), Henry (Natural Sciences), and Wylie (Humanities).

ACADEMIC STANDING: Mr. Benham, *Chairman*.

Messrs. Docherty, F. Evans, Pepinsky, Snyder.

ADMISSIONS: Mr. MacIntosh, *Chairman*.

Messrs. Allendoerfer, Ashmead, Holmes, Watson.

CURRICULUM AND COLLEGE PROGRAM: Mr. Teaf, *Chairman*.

Messrs. Drake, Green, Hoag, Wylie.

FELLOWSHIPS AND PRIZES: Mr. Comfort, *Chairman*.

Messrs. Foss, Haddleton, Herndon, Watson.

GRADUATE STUDENTS: Mr. Flight, *Chairman*.

Messrs. Dunn, Fetter, Gray, Lunt, Meldrum.

LIBRARY: Mr. Lester, *Chairman*.

Messrs. Gary, Henry, Lockwood, Meade, Post.

NON-ACADEMIC INSTRUCTION: Mr. Pfund, *Chairman*.

Messrs. Docherty, Hetzel, Pepinsky, Rantz, Sutton.

PREMEDICAL EDUCATION: Mr. Cadbury, *Chairman*.

Messrs. Allendoerfer, Dunn, Henry, Meade, Taylor.

STUDENT AFFAIRS: Mr. Randall, *Chairman*.

Messrs. Asenio, Hoag, Thomsen, Williamson, and Miss deGraaff.

# THE COLLEGE PROGRAM



As a Quaker College, Haverford stresses in its educational policy the importance of personal and social ideals. In the past, this concern has been expressed through Fifth Day Meeting and Collection, rather than in any formal way in the requirements for the degree. Recent changes in faculty rulings, however, have put a heavier emphasis on philosophic and evaluative courses within the academic curriculum itself. The College is not satisfied with scholarship and technical expertness alone, though it values highly these qualities; in its new plans, Haverford will stress increasingly the importance of sound ethical judgment based upon clear perception of individual and social aims.

In its curricular work, Haverford insists on a high standard of achievement. The College's selective admissions policy brings together a varied group of promising young men in each Freshman class. A reasonably high aptitude for academic work is an essential prerequisite, but selection is made also with qualities of personality and character in mind. In its strictly academic work, the College stresses intellectual integrity, independence of judgment, the imaginative grasp of inter-relationships, and the capacity to do independent work. Mastery of facts and of the techniques of research is always important, but even more so is the desire and moral capacity to use these skills for worthwhile ends.

Student government and extra-curricular activities are planned to develop qualities of character not commonly cultivated in the classroom. The non-academic program recently instituted is calculated to encourage growth in a sense of responsibility for constructive community service, in the appreciation of beauty, and in certain creative skills not properly included in the curriculum itself. The meditative silence of Fifth Day Meeting continues, as always, to make an important contribution to the spiritual development of Haverford men.

These aims have always been important in Haverford's educational program; the changes now contemplated are intended to increase their importance in the curricular work of the College.



## History

Haverford College was founded in 1833 as the first college established by members of the Society of Friends in the United States. Quaker education in Pennsylvania began with the establishment of the Commonwealth in 1682. Wherever the first settlers set up their meetings for worship, they also opened schools, but because Friends have no ordained ministry or priesthood set apart from secular life, they made in the beginning no provision for institutions of higher learning.

With the expansion of science and learning in the early nineteenth century the need for advanced training was felt by the Friends as it was by the many other religious groups in America which founded colleges in that era. A tragic separation in American Quakerism in 1827-28 brought this need sharply to the attention of certain leaders of the "Orthodox" Quaker body in Philadelphia and New York. They organized Haverford, therefore, as an institution which would provide an "enlarged and liberal system of instruction" to meet the intellectual needs of "Friends on this continent," offering a course of instruction in science, mathematics, and classical languages "as extensive as given in any literary institution in this country." In religion, morals, and manners, the students who attended Haverford were, in the Quaker phrase of the day, to receive a "guarded" education, but otherwise their training was to be "equal in all respects to that which can be obtained in colleges."

Haverford College in those days was modestly called Haverford School, but the intent was clear to create an intellectual center that would give to Friends the kind of education which other young Americans were receiving in the best colleges. In 1847 Haverford opened its doors to young men who were not members of the Society of Friends, and in 1856 it became a degree-granting institution, with a tradition of high scholarship which has continued unshaken. At the same time it has adhered to its Quaker traditions of simplicity of living and enlightened interest in social issues.

The choice of the site of Haverford College exercised its founders for three years and was settled by the purchase of 198 acres of rolling farmland in the center of the Welsh Tract, a large area originally set apart by William Penn for Quaker immigrants from Wales. The region still bears the native place-names of its settlers, of which Haverford is one. The site was propitious. Today the College campus (increased to 216 acres) is still a verdant retreat of fields and woodlands, although the Philadelphia suburbs have spread out along the Main Line to Haverford and beyond. Haverford Station on the Pennsylvania Railroad, between Bryn Mawr and Ardmore, is twenty minutes from downtown Philadelphia. The campus fronts on the famous Lancaster Pike (U.S. 30). It is approximately two hours train journey from Haverford to New York or Baltimore and less than three hours to Washington. Philadelphia's Orchestra, its museums and libraries, its scientific laboratories and industrial plants are all easily accessible to Haverford students, who can make full use of the cultural opportunities of a city while enjoying the beauty of a college campus in a quiet suburban setting.

During the first forty years of the College's existence, Founders Hall, the original building, Alumni Hall, which is now incorporated in the Library, and an Astronomical Observatory comprised the major physical plant. Throughout this era Haverford men were proving by their effectiveness in their communities the soundness of the principles on which the College had been founded. At the same time, the College campus was ripening in beauty. What had been fields grew into a graceful sweep of lawns, distinguished by trees and planting reminiscent of an English garden. This was the contribution of William Carvill, an English landscape gardener whose careful planting gave Haverford a campus of great charm.

An era of progress began in 1874 under the presidency of Thomas Chase. He and his brother, Professor Pliny Earle Chase, brought the institution to full academic stature, and strengthened its endowment. In this period a number of new buildings were erected, notably Barclay Hall, which, as the principal dormitory, became the center of student life.

President Isaac Sharpless, 1887-1917, led Haverford College into the

forefront of American collegiate institutions. His many-sided genius enabled him to gather and hold together a faculty of extraordinary capacity. In his regime, and the years immediately following, modern dormitories and classrooms, well-equipped laboratories for Chemistry, Physics, Biology, and Engineering were added to the growing assembly of buildings. The Gymnasium was erected in 1900; Roberts Hall, containing administrative offices and a large auditorium, in 1903. The Haverford Union, used for many College activities, dates from 1910; the Morris Infirmary from 1912. A modern Observatory was built in 1933, and a modern addition to the Library was completed in 1941.

As the College enrollment has grown in recent years, the need for residences in which men of like tastes and interests might have more intimate associations has been met by the establishment of a Spanish House and a French House, each with a resident director. In these specialized student residences the occupants have the advantages of group life without the social discrimination of a fraternity system.

The original fund of \$60,000 raised when the College was started has been increased by generous bequests and donations to more than \$4,500,000. This endowment enables the College to maintain a superior faculty of unusual size in proportion to the number of students. Student enrollment is limited in order that teaching may continue on the basis of personal acquaintance in a unified community, as it has throughout the history of Haverford College.



## Admission

The policy of Haverford College is to admit to the Freshman class those applicants who, in the opinion of the Committee on Admissions, are best qualified to profit by the opportunities which the College offers and at the same time to contribute to undergraduate life. Due regard is given not only to scholarly attainment, as shown by examination and by school record, but also to character, personality, and interest and ability in important extra-curricular activities.

Whenever practicable, the College will arrange for the candidate to have a personal interview with the Director of Admissions or another administrative officer. Every applicant should realize that, in view of the limited enrollment, he is entering a competition for admission to a carefully selected and comparatively small student organization. On the basis of all information available — College Board reports, school record, class standing, evidence touching on character and personality — the application will be accepted or rejected, and the decision of the Committee on Admissions is final. Preference will be given to those with superior records and credentials rather than to those with mere priority of application.

Students who are accepted will be admitted without conditions. Those who, on entrance, show marked proficiency in certain subjects will be permitted to take courses usually not open to Freshmen; in such cases, however, the number of courses required for a degree will not be diminished.

Each applicant for admission must take the Scholastic Aptitude Test (Verbal section) and the Intermediate Mathematics Test and, after consultation with the Admissions Office, three Achievement Tests given by the College Entrance Examination Board. Applications involving divergence from the normal procedure must be discussed in detail with the Director of Admissions. In addition, the applicant must obtain blank forms from the College, on which he must submit his school record and a certificate of character signed by his school principal. The school certificate must show satisfactory attainment in 15 units\* of work.

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\* A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. A four years' secondary school curriculum should be regarded as representing not more than 16 units of work.



The preparatory course must include four years of English, at least a year and a half of Algebra and one year of Geometry, and three years of a foreign language. Cases involving divergence from the requirement should be discussed with the Director of Admissions. The remaining units will be drawn from laboratory science, social science, history, and additional mathematics and language.

A candidate may offer an elective in a subject not usually listed, provided he shows proficiency which indicates an amount of study and intellectual effort commensurate with that required in other subjects. The subject chosen must have the approval of the Admissions Committee.

Veterans who have not previously attended Haverford are required to take the Special Aptitude Test for Veterans given by the College Entrance Examination Board. Information about this test is given below. Academic credit for courses taken elsewhere will be considered on an individual basis.

### INFORMATION CONCERNING COLLEGE ENTRANCE BOARD TESTS

The College Entrance Examination Board will hold a complete series of examinations on each of the following dates during the academic year 1947-1948:

Saturday, December 6, 1947

Saturday, June 5, 1948

Saturday, January 24, 1948

Wednesday, August 18, 1948

Saturday, April 3, 1948

On each of the dates listed above, the schedule of tests will be as follows:

#### Program 1

8:45 A. M.—Scholastic Aptitude Test (Verbal and Mathematical Aptitude Sections), composed of  $\frac{2}{3}$  verbal aptitude material and  $\frac{1}{3}$  mathematical aptitude material. Mathematical aptitude section based on arithmetic plus the rudiments of algebra and geometry (three hours).

#### Program 2

8:45 A. M.—Scholastic Aptitude Test (Verbal Section) and Intermediate Mathematics Test, composed of  $\frac{1}{2}$  verbal apti-



tude material and  $\frac{1}{2}$  mathematics achievement material. Verbal aptitude section same as for the Scholastic Aptitude Test, but shorter. Mathematics achievement section (Intermediate Mathematics Test) based on  $2\frac{1}{2}$  to 3 years of secondary school mathematics, including 1 year of plane geometry and  $1\frac{1}{2}$  or 2 years of algebra (three hours).

### Program 3

8:45 A. M.—Scholastic Aptitude Test (Verbal Section) and Comprehensive Mathematics Test, composed of  $\frac{1}{3}$  verbal aptitude material and  $\frac{2}{3}$  mathematics achievement material. Verbal aptitude section same as for the Scholastic Aptitude Test, but shorter. Mathematics achievement section (Comprehensive Mathematics Test) based on  $3\frac{1}{2}$  to 4 years of secondary school mathematics, including 1 year of plane geometry, 2 years of algebra, and at least one semester of trigonometry, which is given more emphasis in the test than solid geometry (three hours).

1:45 P. M.—Achievement Tests—Not more than three of the following one-hour tests may be taken:

English Composition	Spanish Reading
Social Studies	Biology
French Reading	Chemistry
German Reading	Physics
Latin Reading	Spatial Relations

In addition, at the April, 1948, series only, achievement tests in Greek Reading and Italian Reading will be offered, but only to those candidates who register in advance specifically for these tests.

1:45 P. M.—Special Aptitude Test for Veterans (three hours)—All candidates will take Section I, Section II and *one* of the three options in Section III:

Section I—Verbal

Section II—Mathematical

Section III—Spatial Relations *or* Physical Science *or* Social Studies Reading

The schedule permits a candidate to take only one of the three-hour morning programs, and in the afternoon either the Achievement Tests or the Special Aptitude Test for Veterans.

Copies of the Bulletin of Information may be obtained without charge from the College Entrance Examination Board. The Bulletin contains rules regarding applications, fees and reports; rules for the conduct of the tests; advice to candidates; descriptions of the tests; sample questions; and lists of examination centers.

Candidates should make application by mail to the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey. Blank forms for this purpose will be sent to any teacher or candidate upon request. When ordering the forms, candidates should state whether they wish forms for the December, January, April, June, or August tests. Applications for any particular series will not be available until after the preceding series has been held. A copy of the Bulletin of Information is automatically sent to every candidate requesting an application blank.

Each application should be accompanied by the appropriate examination fee. A detailed schedule of fees follows:

One three-hour morning program and one, two, or three Achievement tests .....	\$10.00
One three-hour morning program and the Special Aptitude Test for Veterans .....	10.00
One three-hour morning program only .....	5.00
One, two, or three Achievement tests when taken alone....	7.00
Special Aptitude Test for Veterans when taken alone.....	6.00

All applications and fees should reach the office of the Board not later than the dates specified in the following schedule:

For examination centers located	December 1947 Series	January 1948 Series	April 1948 Series
East of the Mississippi River or on the Mississippi River .....	November 15	January 3	March 13
West of the Mississippi River or in Canada, Mexico, or the West Indies	November 8	December 27	March 6
Outside of the United States, Canada, Mexico or the West Indies ..	October 18	December 6	February 14

Belated applications will be subject to a penalty fee of three dollars in addition to the regular fee.

For examination centers located	June 1948 Series	August 1948 Series
East of the Mississippi River or on the Mississippi River .....	May 15	July 28
West of the Mississippi River or in Canada, Mexico, or the West Indies .....	May 8	July 21
Outside of the United States, Canada, Mexico or the West Indies .....	April 17	June 30

Belated applications will be subject to a penalty fee of three dollars in addition to the regular fee.

Candidates are urged to send in their applications and fees as early as possible, preferably at least several weeks before the closing date, since early registration allows time to clear up possible irregularities which might otherwise delay the issue of reports. Under no circumstances will an application be accepted if it is received at the Board office later than one week prior to the date of the examination. No candidate will be permitted to register with the supervisor of an examination center at any time. Only properly registered candidates, holding tickets of admission to the centers at which they present themselves, will be admitted to the tests. Requests for transfer of examination center cannot be considered unless these reach the Board office one week prior to the date of the examination or earlier.

The Board will report the results of the tests to the institutions indicated on the candidates' applications. The colleges will, in turn, notify the candidates of the action taken upon their applications for admission. Candidates will not receive reports upon their tests from the Board.

### ADVANCED STANDING

Since Haverford offers an integrated education, admission with advanced standing is ordinarily granted only in a limited number of cases. An undergraduate who comes from an approved college must submit an official statement of his honorable dismissal, together with a full list of his accepted preparatory subjects, and a list of all his college courses, with his record therein.

# Financial Arrangements

## ROOMS

Entering Freshmen are assigned rooms in the order in which applications for admission are received. It is not always possible to meet the desire of Freshmen for the cheapest rooms. The College assumes that a new student will accept any available room of approximately the same price as the room for which a preference is expressed. The choice of rooms by other students is governed by published rules.

A deposit of \$35 is required of all new students at the time their application is accepted. A similar deposit is required also of those students who have not been in attendance at the College during the immediately preceding semester. This amount will be deducted from the bill for the following year. If the student fails to present himself at the beginning of the semester for which he has been enrolled, the deposit will be forfeited.

Students are expected to treat College property with the same consideration as their own. A student is held financially responsible for any damage to his room, and any damage wilfully done will be sufficient reason for requesting withdrawal from the College.

## EXPENSES

The tuition charge for all regular students is \$600 for the academic year. Tuition for special students is \$80 per course, per semester. The board is \$11 per week, and room rent ranges from \$100 to \$210 according to the location of the room and the number of occupants. The Unit Fee is \$55 per year. Charges are subject to alteration by the Board of Managers.

The room charges include heat, electric light, service, and the use of necessary bedroom furniture, i.e., a bureau, table, chair, study lamp, and a bed, the linen for which is furnished and laundered by the College. Students will supply their own study furniture, blankets, and towels.

The College requires that bills rendered August 15 and January 15 for the following semester's tuition, board, room, unit fee, and deposits be paid in full before the beginning of the semester.



In order to avoid last minute congestion, it is suggested that bills be paid by mail in advance. Upon receipt of payment, registration cards will be released by the Comptroller's Office to the Registrar, and students, except Freshman or transfer students, need not report at the Office of the Comptroller.

The Unit Fee includes the following: Student activities fee, laboratory fees, health fee, accident insurance, diploma, and psychological tests when required by the College. Students who are insured at home on a blanket accident policy, for no less than \$500 per accident, will be granted a reduction from the unit fee equal to the premium the College would pay to the insurance carrier, on condition that their personal accident policy covers all accidents without any exclusion whatsoever, and that the policy is filed with the Office of the Comptroller at the time when relief from payment of this share of the unit fee is requested.

The College requires a \$20 deposit to cover the cost of books and any other incidental charges which may arise during the school year. Any unspent balance is refunded at the end of the academic year.

Resident veterans in training under Public Law 16 or Public Law 346 will be required to pay for their tuition on the first day of each semester unless they have presented satisfactory evidence that they have complied with the appropriate regulations of the Veterans Administration.

No reduction or refund of the tuition charge will be made after the first two weeks of any semester. If a student withdraws before the completion of the first two weeks, there will be a complete refund of his tuition. In case of illness or absence for any reason from the College, for four weeks or more, there will be a prorated refund of board. In case of withdrawals at any time, there will be no reduction of room rent for the semester unless the same room is re-rented, in which case the withdrawn occupant will receive the amount paid to the College by the new occupant. The unit fee cannot be refunded for any reason.

### COLLEGE RESPONSIBILITY

The College is not responsible for loss due to fire, theft, or any other cause. Students who wish to cover the fire risk may apply for information at the Office of the Comptroller.



## MONTHLY PAYMENTS

Because some parents may prefer to pay tuition and other College fees in equal monthly installments during the academic year, the College is glad to offer this convenience under The Tuition Plan. The cost is 4% greater than when payment is made in cash at the beginning of each semester.

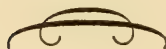
## STUDENT LOAN FUND

A loan fund is available for deserving students, other than members of the Freshman Class and transfer students during their first year, who may require financial assistance during college course.

For information apply at the Office of the Comptroller.

## STUDENT AID

In addition to the Student Loan Fund and to scholarship help, the College offers students the opportunity to work at standard rates in the library and as clerical assistants to faculty and administrative officers of the College. Appointments are made from a list of eligible students prepared by the Vice-President.



## Scholarships

Scholarships are of two kinds: competitive, and those awarded upon merit and individual need. No scholarship is given for more than one year.

No scholarship will be given to a student who has a failure against him at the time of application.

No scholarship will be given to a student whose college bill has not been paid in full.

All preliminary correspondence and applications for undergraduate scholarships for 1948-1949, together with supporting letters from parents or guardians, should be in the hands of the Vice-President before Monday, April 12, 1948.

It is assumed that requests for scholarships will not be made by those whose expenses can be met by their parents or from other sources.

I. CORPORATION SCHOLARSHIPS.—Sixteen scholarships of the annual value of \$300 each are awarded, without formal application, to the four students in each class who have the highest average grades. Ranking is determined in the case of upper classmen by their general average for the year. In the case of the incoming freshman class, the scholarships will be assigned after the June examinations (see page 21) to those candidates entering by any plan of admission who are judged to be best prepared to do the work of the College.

II. ISAIAH V. WILLIAMSON SCHOLARSHIPS.—Three scholarships, normally \$250 each, usually awarded to members of the Senior and Junior classes.

III. RICHARD T. JONES SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

IV. EDWARD YARNALL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

V. THOMAS P. COPE SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

VI. SARAH MARSHALL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

VII. MARY M. JOHNSON SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

VIII. ISAAC THORNE JOHNSON SCHOLARSHIP.—One scholarship, normally of the annual value of \$225, available for a student of Wilmington College or a member of Wilmington (Ohio) Yearly Meeting of Friends.

IX. CASPAR WISTAR MEMORIAL SCHOLARSHIP.—A scholarship of \$250 is usually available, preferably for sons of parents engaged in Christian service (including secretaries of Young Men's Christian Associations) or students desiring to prepare for similar service in America or other countries.

X. LOUIS JAQUETTE PALMER MEMORIAL SCHOLARSHIP.—This scholarship of \$200 is awarded on application, preferably to a member of the Freshman Class who, in the opinion of a committee representing the donors and the President of the College, shall give evidence of possessing the qualities of leadership and constructive interest in student and community welfare which his friends observed in Louis Jaquette Palmer of the Class of 1894.

XI. J. KENNEDY MOORHOUSE MEMORIAL SCHOLARSHIP, \$300.—Intended for the member of the Freshman Class who shall appear best fitted to uphold at Haverford the standard of character and conduct typified by the late J. Kennedy Moorhouse of the Class of 1900—"a man modest, loyal, courageous, reverent without sanctimony; a lover of hard play and honest work; a leader in clean and joyous living."

XII. PAUL W. NEWHALL MEMORIAL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

XIII. ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIPS.—Two or more scholarships of the annual value of \$250, preference to be given to "a native of New York or Connecticut who now resides in one of those States."

XIV. SAMUEL E. HILLES MEMORIAL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

XV. CLASS OF 1913 SCHOLARSHIP.—One scholarship of the annual value of about \$125. Preference is to be given to sons of members of the Class of 1913 who may apply and who meet the usual requirements of the College.

XVI. ISAAC SHARPLESS SCHOLARSHIP FUND.—Founded in 1941. Scholarships open to graduates of secondary schools and undergraduates of Haverford College. Awards based upon fulfilment by applicant of requirements used in selection of Rhodes Scholars to the University of Oxford. Awards granted from list submitted to Selection Committee by the Director of Admissions, subject always to final approval by the President of the College; amount variable.

XVII. CLASS OF 1917 SCHOLARSHIP.—One scholarship of the annual value of \$200. Preference is to be given to sons of members of the Class of 1917 who may apply and who meet the usual requirements of the College.

XVIII. THE GEOFFREY SILVER MEMORIAL SCHOLARSHIP.—A scholarship in the sum of \$500 is available to a Public School graduate in this general area who may enter Haverford.

XIX. DANIEL B. SMITH FUND FOR SCHOLARSHIPS.—Founded October 6, 1943, by gift of \$2500 from Anna Wharton Wood of Waltham, Massachusetts. This will be increased by a bequest of \$2500 made by Miss Esther Morton Smith of Germantown, Philadelphia, who died March 18, 1942.

“The income is to be used, in the discretion of the Faculty, as an annual scholarship for some young man needing financial aid in his College course.” Preference is to be given to a descendant of their father, Benjamin R. Smith, if any such should apply.

XX. SARAH TATUM HILLES MEMORIAL SCHOLARSHIP FUND.—Founded November 1, 1943, by bequest of \$75,534.58 from Joseph T. Hilles, Class of 1888, in memory of his mother, Sarah Tatum Hilles, “to provide for such number of annual scholarships of \$250 each as such income shall be sufficient to create”; to be awarded by the Managers upon “needy and deserving students, and to be known as ‘Sarah Tatum Hilles Memorial Scholarships.’ ”

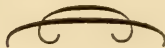
XXI. ELIHU GRANT MEMORIAL SCHOLARSHIP FUND.—Established February 2, 1944, by Mrs. Elihu Grant “to commemorate the service

to Haverford College of Dr. Elihu Grant, from 1917 to 1938 a member of the College Faculty. The income from this fund is applied to scholarship assistance to students in Humanistic studies, primarily those specializing in the study of Biblical Literature and Oriental Subjects." In special circumstances the income may be utilized to assist those working for a postgraduate degree at Haverford College. Two scholarships of \$300 each are available.

XXII. JOSEPH L. MARKLEY MEMORIAL SCHOLARSHIP FUND.—Established by bequest of \$5,000 from Mrs. Joseph L. Markley, in memory of her husband, Joseph L. Markley, 1885; the income to be awarded at the discretion of the Faculty on the basis of character, scholarship and financial need.

XXIII. JOSEPH C. AND ANNE N. BIRDSALL SCHOLARSHIP FUND.—Established by gift of \$10,000 from Joseph C. Birdsall, 1907; the income to be awarded at the discretion of the Faculty to some student or students preparing for medicine, the selection to be based on character, scholarship and financial need.

Most of the scholarships listed above are permanent foundations. In addition, the alumni in various districts support regional scholarships.





# Curriculum

## GENERAL

Haverford is a liberal arts college. Its curriculum is designed to give its students both a knowledge of the content and methods of the broad fields of liberal education, and a systematic training in testing, co-ordinating, and correlating information in a single field of concentration.

## BACHELOR'S DEGREE

Students who have received credit for the full number of courses in prescribed and elective studies, provided they have attained a general average of 70 or above for the Junior and Senior years respectively, and provided they have passed their Major examinations with a grade of 70 or above, are granted the degree of Bachelor Arts or Bachelor of Science. The normal degree conferred upon all candidates meeting these requirements is that of Bachelor of Arts. However, upon request by the candidate and approval by the department concerned, the Bachelor of Science degree will be granted to men majoring in Natural Science, Mathematics, or Engineering.

Every student in full standing at Haverford College shall normally carry a program of five courses per semester for four years. The minimum full schedule of four courses will be approved by the Dean only under unusual circumstances. To graduate, a student must have completed successfully the work of forty semester-courses, and in addition three years of Physical Education. The courses may be classified as follows:

Required .....	2
Limited Electives (either two or four in Foreign Languages—see below) .....	14 or 16
Major Concentration (maximum) .....	12
Free Electives .....	10 or 12
	<hr/>
Total .....	40

The award of honors for work toward the Bachelor's degree is described on pages 118, 119.

## REQUIRED COURSES

Two semester-courses in English are required of all Freshmen. Three terms of Physical Education are required of all Freshmen, Sophomores, and Juniors. These courses in Physical Education are in addition to the forty semester-courses required for a degree.

## LIMITED ELECTIVES

To ensure breadth of distribution, every student is required to pass a certain number of courses, as indicated, in each of three groups. The details of the requirement were changed during June, 1946. (Men who entered Haverford before September, 1946, come under the older requirements, which are listed in the 1946-47 and earlier catalogs.) The new requirements, which must be fulfilled by all men entering Haverford in September, 1946, and thereafter, are as follows:

1. FOREIGN LANGUAGES: One full-year course in a foreign language beyond the elementary grade. For the purpose of this requirement, all foreign language courses with catalog number 1, with the exception of Greek 1, are considered as of elementary grade.

(N.B. A single full-year language course, if included among those listed under the Humanities requirements below, will satisfy requirements in both Group I and Group II.)

2. HUMANITIES: The requirement may be met by passing four one-semester courses as follows:

(a) Two from Biblical Literature 4b, 6b, Humanities 1, and Philosophy 3a, 5, 7a, and 10b;

(b) Two from the following list:

Biblical Literature 1a, 2b, 8b.

English 8b, 11a, 12b, 14a, 21b, 22a, 26a, 26b, 27a, 30a, 32b, 36b (Latin 36b).

French 16b, 17a, 18b, 19a, 19b.

German 4, 7a, 8b, 9a, 10b, 11a or 12b.

Greek 1, 2, 27a.

History of Art (At Bryn Mawr College, with the consent of the Dean of Haverford College).

Latin 5a, 6b, 7, 11, 36b.

Music 1, 2.

Philosophy 9a, 11b, 15a.

Spanish 5a, 6b, 7a, 8b.

3. NATURAL SCIENCES: The requirement may be met by passing two semester courses in each of two of the following groups:

(a) Biological Science 1a; and Biology 12b, 14b, or 16b.

Psychology 1.

(b) Chemistry 2 (a or b), 3b.

Physical Science 1.

Physics 2.

(c) Astronomy 1a, 2b.

Mathematics 1.

Geography and Geology 1.

4. SOCIAL SCIENCES: The requirement may be met by passing four semester courses from the list below, selected from at least two departments:

Economics 1.

Political Science 1a, 3a, 9a, 13b, 17a, 18b.

History 1, 2, 3, 5, 6, 7a, 12a, 14b.

Social Science 1.

Sociology 1a, 2b, 4b.

#### MAJOR CONCENTRATION

A student may elect to major in any one of the following departments: Astronomy, Biblical Literature, Biology, Chemistry, Economics, Engineering, English, French, German, Government, Greek, History, History of Art, Latin, Mathematics, Music, Philosophy, Physics, Psychology, Sociology, Spanish.

Definite requirements are stated under the name of each department on pages 54-102. During the fourth term of his attendance each student should confer with the Major Supervisor of the department in which he wishes to major, and apply to him for written approval of a program of courses for the last four terms. Such a program must provide for the completion, by the end of the Senior year, of no fewer than six courses, at least three of which must be in the Major Department and the others in closely related fields. Should the student's application be rejected by the department of his first choice, he must immediately apply in another. Failure to file with the Dean, before the date specified on the College Calendar, a copy of his Major Program signed by his Major Supervisor, will entail a fine of \$5. Any student who

continues delinquent in this matter will be debarred from the final examinations in his fourth term. Should the student's application be rejected by all the departments to which he applies, he will not be promoted.

A student who applies for permission to become a Major in any department may be rejected *for scholastic reasons only*. The College rule on this point is:

If, at the time specified for application, the average of the grades obtained by a student in the "preliminary courses"\* of any department is 75 or above, the student will be accepted by that department.

If the average of the grades obtained in these courses is below 70, the student will be accepted in that department only under exceptional circumstances.

If the average of the grades obtained in these courses is 70 or above, but below 75, the decision will be at the discretion of the Major Supervisor.

The student shall list on his Major registration form *only* those courses which constitute his Major Program.

Each Senior must take a special Major examination (written, oral, or both) during the week preceding the final examination period. The passing grade for this examination is 70. In case of failure, a candidate may, with the permission of his Major Department, present himself for re-examination at a date (to be determined by the Major Supervisor) later than Commencement Day of the current year.

If the re-examination is taken one year later, during the regular period of Major examinations, there is no fee. But if the candidate applies for re-examination at an earlier date (involving the preparation of a special examination for one individual) and if the request is granted, the fee is \$25.

A student who has been formally accepted as a Major by any department has the right to remain as a Major in that department as long as he is in College. Should he wish to change from one department to

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\* "Preliminary courses" are any courses the student may already have taken in the department to which he is applying. If the applicant has not already taken any courses in that department, the department may name courses in other departments which might be regarded as "preliminary."

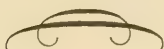
another after the beginning of his fifth term, the change can be made only with the consent of the two Major Supervisors concerned and the Dean.

In order to allow time for preparation for the Major examination, any Senior may omit, with the consent of his Major Supervisor, one non-Major half-year course in the second half-year. The time thus taken for preparation for the Major shall be technically called course 20*b* in the student's department of concentration. Hence there will be no diminution in the total requirement of forty semester-courses for the degree.

Examinations in courses in the Major subject taken in the Senior year may be omitted at the discretion of the Major Supervisor.

#### FREE ELECTIVES

A number of courses sufficient to bring the total to forty semester-courses shall be chosen by the student, with the understanding that for the Freshman and Sophomore years the College reserves the right, through the Faculty Adviser and the Dean, to prevent unreasonable combinations of courses, and that in the Junior and Senior years the student will choose his free electives after consultation with his Major Supervisor.





## FRESHMAN PROGRAM

Although the Faculty Adviser is instructed to lay out for each Freshman a plan of study suited to his special needs, the Faculty requires that English be taken throughout the year, and recommends in all usual cases that Freshmen take one foreign language and courses in History, Mathematics, and Science, but not more than one in each of these three areas.

The courses open to Freshmen, in addition to the required work in English 1 and English 2, and in Physical Education, are:

Descriptive Astronomy (Astronomy 1)

Introduction to the Old and New Testaments (Biblical Literature 1a)

The Rise of Christianity (Biblical Literature 2b)

General Principles of Biological Science (Biological Science 1a)

Zoology (Biology 12b)

Botany (Biology 14b)

Ecology (Biology 16b)

Principles of Inorganic Chemistry (Chemistry 2a)

Qualitative Analysis (Chemistry 3b)

Principles of Engineering Drawing and Shop Methods (Engineering 1a)

Engineering Drawing, Orientation, Surveying, and Shop Methods  
(Engineering 2b)

Materials of Engineering (Engineering 10b)

Elementary French (French 1)

Intermediate French (French 2)

Introduction to French Civilization (French 3)

Elementary German (German 1)

Intermediate German (German 2)

Advanced German (German 3)

Elements of Political Science (Political Science 1)

American Federal Government (Political Science 3a)  
Elementary Greek (Greek 1)  
Intermediate Greek (Greek 2)  
Advanced Intermediate Greek (Greek 3a and 4b)  
English History (History 1)  
Introduction to the History of Art (History of Art 101—Bryn Mawr College)  
Elementary Latin (Latin 1)  
Cicero (Latin 3)  
Vergil (Latin 5a and 6b)  
Survey of Classical Roman Literature (Latin 7)  
Freshman Mathematics (Mathematics 1)  
Foundations of Music (Music 1)  
Introduction to Philosophy (Philosophy 3a)  
General Principles of Physical Science (Physical Science 1)  
General Physics (Physics 2)  
Elementary Spanish (Spanish 1)  
Intermediate Spanish (Spanish 2)  
Introduction to Hispanic Civilization (Spanish 3)

In special cases, with the consent of the Dean, Freshmen may be admitted to certain other courses.

In cooperation with the Department of Psychology the Dean administers a series of standard tests to all entrants within the first few days of each semester. The results of these tests are used to help Freshmen readjust, if necessary, their selection of courses. The tests are also used to determine which Freshmen should be recommended to take the voluntary course in Remedial Reading, which is offered each term, for no credit, to students who feel the need of establishing reading habits that will improve their comprehension and increase their speed in reading.

## SOPHOMORE, JUNIOR, AND SENIOR PROGRAMS

Unless otherwise specified, all courses offered in any term are open to Sophomores, Juniors, and Seniors.

### SPECIAL PLANS OF STUDY IN PREPARATION FOR PROFESSIONS

A large number of Haverford College students desire, after graduation, to enter upon courses of study fitting them for professions. For students desiring preparation for the professional schools in Engineering, Medicine, and other highly specialized subjects the College offers combinations of courses which will prepare its graduates for admission.

To illustrate this feature of the curriculum sample outlines of study preparatory to specialization in Engineering, Medicine, Law, Business Administration, and Public Administration are presented on the following pages. Similar outlines might be prepared for other professions, such as Teaching, the Ministry, Journalism, Industrial Chemistry, etc.

Each of the following outlines is, of course, only a sample, presenting *one* among many possibilities, and is not intended to be a prescribed program.

#### PREPARATION FOR ENGINEERING

Engineering today covers an extremely broad field of service, and there is, accordingly, no standard type of training suitable for all students preparing themselves for an engineering career. A typical four-year course in general engineering follows:

##### *Freshman Year*

Principles of Engineering Drawing, etc. (Engineering 1)	Chemistry 2a and 3b or Physical Science I and one semester of Chemistry in a subsequent year
Engineering Drawing, Orientation, Surveying, etc. (Engineering 2)	Freshman Mathematics (Mathematics 1)
	Freshman English (English 1 and 2)
	Foreign Language

##### *Sophomore Year*

Kinematics of Machines (Engineering 7a)	Calculus (Mathematics 2)
Analytical Mechanics (Engineering 8b)	Elementary Economics (Economics 1)
General Physics (Physics 2)	History or Foreign Language

### *Junior Year*

Elements of Electrical Engineering (Engineering 13a and 14b)	Accounting (Economics 9a)
Fluid Mechanics (Engineering 11a)	The Corporation (Economics 10b)
	Humanities Limited Electives

### *Senior Year*

Thermodynamics (Engineering 12a)	Elective in Engineering, Mathematics, Chemistry, or Physics
Mechanics of Materials (Engineering 16b)	Humanities Limited Elective
Statistics (Mathematics 13a)	Electives (3)
Management and Industrial Relations (Economics 6b)	Comprehensive Examination
Government and Business (Economics 11b)	

### PREPARATION FOR MEDICINE

In consequence of the relatively large number of students who prepare for medical school at Haverford, the premedical program has become a distinctive feature of the work of the College. The program is under the direction of the Premedical Committee of the Faculty (see page 14), the members of which stand ready to advise students on matters of premedical interest. Every student who intends to study medicine should register with the Chairman of this Committee early in each college year.

The premedical program makes provision not only for the necessary courses in the premedical sciences but also for a sufficient number of courses in the non-science fields to ensure the student a well-balanced education. Over-specialization in science in the premedical course is not encouraged by the College nor by the medical schools. Since only about 8 full-year courses in the premedical sciences are required, an ample number of courses remain to meet any special requirements of particular medical schools and the requirements of the College in *limited electives*, as well as to enable the student to choose a Major in accord with his scholastic interest. A premedical student is free to choose any Major for which he is qualified, but he must do creditable work in the premedical sciences in order to secure a favorable recommendation to medical school.

To assure adequate preparation for the work of the medical schools, all premedical students should take the following courses:

Biological Science 1a, Biology 4 and Biology 12b

Chemistry 2a and 3b, *or* Physical Science 1, Chemistry 21a and 22b

Chemistry 4a, 5a, 6b, and 9b

Physics 2

Psychology 1

German 2, French 2, *or* Spanish 2.

College mathematics is not included in this list, since the medical schools do not, in general, require it. However, Mathematics 1 is taken by most premedical students.

In order to avoid schedule conflicts, it is recommended that students who have had adequate chemistry courses in school take the courses listed as follows:

#### *Freshman Year*

Biological Science 1a and General Zoology (Biology 12b)	Inorganic Chemistry and Qualitative Analysis (Chemistry 2a, 3b) Elementary German, French, or Spanish
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#### *Sophomore Year*

Quantitative Analysis and Physical Chemistry (Chemistry 4a, 9b) General Physics (Physics 2)	Elementary Psychology (Psychology 1) Intermediate German, French, or Spanish
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#### *Junior and Senior Years*

Organic Chemistry (Chemistry 5a, 6b)	Vertebrate Morphology (Biology 4)
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Students who take Physical Science 1 during the Freshman year instead of Chemistry 2a and 3b should take their courses as indicated below:

#### *Freshman Year*

Biological Science 1a and General Zoology (Biology 12b)	Physical Science 1 Elementary German, French, or Spanish
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### *Sophomore Year*

Inorganic Chemistry and Qualitative Analysis (Chemistry 21a, 22b)	Elementary Psychology (Psychology 1)
General Physics (Physics 2)	Intermediate German, French, or Spanish

### *Junior and Senior Years*

Quantitative Analysis and Physical Chemistry (Chemistry 4a, 9b)	Organic Chemistry (Chemistry 5a, 6b)
	Vertebrate Morphology (Biology 4)

Certain medical schools have specific requirements which are not automatically met by Haverford's requirements: Johns Hopkins University requires both French and German, and also elementary Latin; the University of Pennsylvania requires, in addition to Freshman English, another course in English or a course in Philosophy. The pre-medical student must see to it that such special requirements of the medical school of his choice are met in his college program. Many medical schools advise that English, sociology, economics, philosophy, and other courses in non-science subjects be included in the pre-medical program. If American history has not been studied in high school, it must be taken in college in order to meet a requirement of State Boards of Medical Licensure.

A premedical aptitude test, conducted by the Graduate Record Office for the Association of American Medical Colleges, is given twice each year, in October and in February. This test must be taken by all candidates for admission to medical school for the class entering the following September. It is recommended that the test be taken in October. The Graduate Record Examination also must be taken by students applying to Harvard Medical School.

### PREPARATION FOR THE LAW

Even those law schools which require that an applicant for admission must hold a college degree do not usually specify what studies he shall have pursued in his undergraduate course. Since, however, the work of lawyers falls largely in the fields of Economics and Political Science, it is wise to include some courses from this area in preparation for the study of law. The following list includes more courses than it would be wise for most such students to take; they are listed as suggestions to be considered. It is to be remembered, however, that the most impor-

tant qualification for the study and practice of Law is a well-trained mind. Excellent work in any department of undergraduate instruction may, therefore, be admirable preparation for a career in the Law.

#### *Freshman Year*

English Composition, Methods, and Public Speaking (English 1a or 1b)	Foreign Language (Latin, if he has had none) or a Modern Foreign Language
Types of Literature (English 2a or 2b)	Freshman Mathematics (Mathematics 1)

#### *Sophomore Year*

Foundations of the United States 1492-1865 (History 2)	English History (History 1)
American Federal Government (Political Science 3a)	State and Local Government (Political Science 10b)
Elementary Economics (Economics 1)	History of Philosophy (Philosophy 5)

#### *Junior Year*

General Psychology (Psychology 1)	Accounting (Economics 9a)
English Constitutional History (History 4)	Intermediate Composition and Oral Discussion (English 4b)
American Constitutional Law (Political Science 6b)	The Corporation (Economics 10b)
American Political Parties (Political Science 7a)	Government Finance (Economics 8b)

#### *Senior Year*

National Development of the United States, 1865 to the Present (History 3)	Labor Relations (Sociology 5a)
Government and Business (Political Science 11a)	Management and Industrial Relations (Sociology 6b)
English Literature Elective	The Development of Political Thought (Political Science 17a and 18b)

### PREPARATION FOR BUSINESS ADMINISTRATION

Students planning to continue study at a graduate school of business administration or to engage directly in business might arrange their

programs for their Freshman and Sophomore years (except for Latin) as above suggested for those planning to study law, but for their Junior and Senior years the following courses are recommended.

### Junior Year

Money and Banking (Economics 3a)	The Corporation (Economics 10b)
Accounting (Economics 9a)	International Trade and Finance (Economics 4b)
Introduction to Statistics (Mathematics 13a)	

### Senior Year

Labor Relations (Sociology 5a)	National Income and Investment (Economics 13a)
Management and Industrial Relations (Sociology 6b)	Government and Business (Political Science 11a)
Ethics (Philosophy 7a)	

Students expecting to enter manufacturing industries in any capacity are encouraged to take courses in Chemistry, Engineering, or Physics in order to become acquainted with the general nature of the processes and techniques involved in modern manufacturing.

### PREPARATION FOR PUBLIC ADMINISTRATION

Students who are interested in entering the government service for work in Public Administration should take courses in Elementary Economics, American History and Government, National Income and Investment, Political Theory, Government Finance, Accounting, Statistics, Constitutional Law, and Government and Business.

### REGULATIONS

#### CONFLICTING COURSES

A student is not allowed to elect conflicting courses, except with the permission of the Dean and the two instructors concerned.

### ADDITIONAL COURSES

In general, Freshmen will be permitted to take only five courses. Sophomores and upperclassmen may take a sixth course only if they have passed five courses in the preceding semester with an average of not less than 80. Exceptions to this rule may be made at the discretion of the Dean in the case of Seniors in their last semester in college. A fee of \$25 per semester is charged for every additional course.

### SPECIAL CASES

Whenever a student gives proof of special abilities, the College is prepared to lay aside such requirements of the preceding plan as stand between him and the development of his gifts.

### GRADING OF STUDENTS

In determining the standing of the student, daily recitations, hour examinations, and final examinations are all considered. Reports, with numerical grades and averages, are issued at the end of each semester.

Freshmen are expected to obtain a general average for the year of at least 60 for promotion to the Sophomore class; Sophomores are required to obtain a general average for the year of at least 65 for promotion to the Junior class; Juniors, 70 for promotion to the Senior class; and Seniors, 70 for graduation. Students who fail to make promotion averages will normally be dropped from College.

### FAILURES AND DROPPED COURSES

A student who achieves a grade of 50-60 (E) as his term mark in any course is allowed a special examination in September following the failure, immediately before the opening of College. Seniors who achieve 50-60 in any course (except in the Major Examination, see page 36), are permitted to take the special examination during Commencement Week. These examinations, known as make-up examinations, are scheduled only upon written request by the student and on the payment of the fee of \$5.00 for each examination. The request and the

fee must be received by August 2, 1948. Late applicants are subject to an additional fee of \$5.00. A student who achieves a grade below 50 is not permitted to take a special examination in that course.

A student with 50 or below as his term grade, or with 50-60 as his term grade in any course after the special examination privilege has lapsed or after taking a special examination, must repeat the course if it is a required course (repeated courses are recorded and averaged in the year of repetition), or may substitute some other course if the failure is an elective course. No course may be repeated more than once; failure to pass a repeated required course will consequently prevent a student from obtaining his degree.

When a student drops a course, an arbitrary grade of 40 shall be recorded by the Registrar unless the instructor turns in a lower grade, except that in unusual cases, with the permission of the instructor in the course and the Dean, a course may be dropped without a recorded grade. All recorded grades will be included in the semester average.

A course once reported to the College office shall not be removed from the student's record. In the case of failure this shall apply, even though the credit deficiency has been made up by taking an extra course in a subsequent semester, or by applying a credit previously obtained.

Any student whose record is such as to justify the belief that he is not availing himself of the opportunities offered by Haverford College may be dropped.

### INTERCOLLEGIATE COOPERATION

Because of the cooperative relationship between Bryn Mawr College, Haverford College, Swarthmore College, and the University of Pennsylvania, full-time students of any of these four institutions may, upon presentation of the proper credentials, enroll for courses in another institution of the group. This does not involve the payment of additional fees, except in laboratory courses. Visiting students will be charged the same laboratory fees or deposits as in their own institution.



Students desiring to take advantage of this arrangement should secure permission from the Dean and from the chairman of the Department at the college in which the course is given. It is also desirable that the instructor giving the course be consulted in advance. It is the student's responsibility to register in the selected course on registration day at the institution where the course is to be given. The course should also be entered on his registration card in his own institution.

Graduate students should obtain permission to take courses at other institutions from the Committee on Graduate Students. Ordinarily, the holder of a graduate fellowship will not be permitted to take more than one course in another institution for credit on his Haverford record.

## VISITORS AND LECTURERS

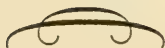
Under a recently announced policy, the College has arranged that during every academic year each Department of the Faculty will invite a visitor to Haverford for a few days to meet with the members of the department and with men concentrating in that field of work. These departmental visitors, who will sometimes give public lectures, are expected to contribute considerably to the vitality of the work in the various departments.

The Haverford Library Lectures and The Shipley Lectures, both endowed lectureships, provide annual speakers. The endowment for the former, a gift from the estate of Mary Farnum Brown, is available "for an annual course or series of lectures before the Senior Class of the College, and other students, on the Bible, its history and literature, and as a way may open for it, upon its doctrine and its teaching." The fund for the latter was presented by Samuel R. Shipley, in memory of his father, Thomas Shipley. The income from the Shipley fund is used "for lectures on English literature." At the weekly Collection meetings of the whole College prominent visitors talk to the student body on subjects of current interest.

## CURRENT CHANGES

A committee of the Faculty has for several years been occupied in evaluating the College's program and suggesting improvements. As these suggested changes are accepted by the Faculty, they are put into effect. Among them have recently been included the new Limited Elective requirements, the introduction of general courses, and the non-academic courses to be offered next year for the first time. The problem of major concentration is at present under study.

This work of the Committee is likely to result in progressive changes during the undergraduate course of students now entering Haverford. The tendency of these changes has thus far been, and will very probably continue to be, toward a heavier stress on the philosophical and evaluative elements in liberal arts studies.



## Graduate Study

### ADMISSION TO CANDIDACY FOR MASTER'S DEGREE

Graduates of institutions of standing equivalent to that of Haverford College, who present satisfactory evidence of character, seriousness of purpose, and scholarly attainments, may be admitted as candidates for the degree of Master of Arts or Master of Science. The number of graduate students to be admitted each year will be determined by the administration, in view of the situation obtaining in the College and in individual departments in that year. A candidate for the graduate degree must show competence in one language besides English. Each applicant will be advised, on request, of the language requirements to be met in the particular department in which he wishes to carry out his specialized study.

### REQUIREMENTS

A candidate is required to pass four full-year advanced courses or their equivalent,\* each with a grade of not less than 80, and to do satisfactory additional intensive work, which may take the form of a thesis or other research, equivalent at least to a full course. At least two of the courses and the additional intensive work must be in the special field chosen by the candidate, and the remaining courses in allied subjects. In addition, the candidate may be required, at the discretion of the professor in charge, to pass a comprehensive examination upon the field of his special study. The scope of the examination will be determined by the professor in charge, and will be communicated to the candidate when he is admitted as a graduate student. The entire plan of study must be drawn up by the candidate in consultation with the professor under whom he proposes to do the major part of his work. This plan must be submitted for approval before October 1 to the Chairman of the Committee on Graduate Students. After approval by this Committee, the program must be filed with the Registrar. In cases where a thesis is required, each candidate must deposit two copies of his thesis in the College Library by May 10.

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\* In a full-year course in which credit is not granted for the work of a single semester, the course grade is the average of the two semester grades; in other cases each semester's work is a separate course, for the purposes of this requirement.

A minimum of one year's residence is required, and a candidate, if well prepared, should be able to complete his work for the degree in this time. If his preparation is inadequate, a longer period of residence may be necessary, but candidates for the Master's degree must complete the required work in not more than two academic years. Courses taken before the registration of the candidate as a graduate student at Haverford College will not usually be counted toward the degree.

Candidates who engage in any occupation or employment other than graduate study will not generally be able to satisfy the requirements for the degree in one year.

### FELLOWSHIPS

Five Thomas Wistar Brown Fellowships of \$1000 each are available every year primarily for members of the Society of Friends and for the graduates of other Friends' colleges in the United States. Should any of these Fellowships be unclaimed by eligible candidates from Friends' colleges, they will be open to graduates of other colleges. These Fellowships are intended for qualified men who wish to avail themselves of a year in the Quaker environment of Haverford to pursue graduate studies in the fields of religion, philosophy, sociology, history, and kindred subjects. Each candidate and his proposed schedule of study must be approved by the Committee on Graduate Students. Holders of these Fellowships may live at Haverford or, by arrangement with the Vice-President of the College, at the community of Pendle Hill, situated a few miles from Haverford.

Applications should be accompanied by the following records: a certified list of the applicant's courses and grades as an undergraduate; three letters concerning the character, personality, financial condition, and qualifications of the applicant; a copy of the catalog of the institution in which the applicant was an undergraduate; and three copies of a small photograph. Applications and other material should be in the hands of the Vice-President of Haverford College before March 1 to secure consideration for the following year.

*Charges.*—For charges and fees (see pp. 26-28).





# COURSES OF INSTRUCTION

## ASTRONOMY

The departmental work is designed to give students an understanding of and an interest in the universe in which they live. At all times in the course work the relation of astronomy to the other fields of learning is kept to the fore. The courses progress from the elementary, through courses requiring more mathematical and physical background, to the strictly logical and critical development of a limited problem.

### MAJOR REQUIREMENTS

Astronomy 1, 3a, 4b, 9a, 10b and 20. Four courses to be chosen from Mathematics 2, 3, 11a and Physics 2, 3, 9a.

Three written comprehensive examinations of three hours each.

1. DESCRIPTIVE ASTRONOMY—*Four hours. Three class periods and one laboratory period a week.* Mr. Green.

Our knowledge of the motions, composition, organization, and evolution of the solar system, stars, and galaxies is presented, together with explanations of the methods by which this information is obtained. The laboratory work consists of visual, photographic, and spectroscopic observations of the sun, moon, planets, stars, and nebulae. These observations are treated as illustrations of the theory of optical instruments and the theory of measurement. Year course.

Offered annually.

3a. ASTROPHYSICS—*Three class periods a week.* Mr. Green.

An introduction to spectroscopy and statistical mechanics leads to the study of ionic and molecular equilibria in the atmospheres of the stars, in the diffuse nebulae, and in interstellar space. Prerequisite: *Physics 2* and *Mathematics 2*; Junior or Senior standing. Semester course.

Offered annually, during either semester, on request.

4b. ASTROPHYSICS—*Three class periods a week.* Mr. Green.

The transfer of radiation in stellar atmospheres and the internal constitution of the stars. Prerequisite: *Physics 2* and *Mathematics 2*; Junior or Senior standing. Semester course.

Offered annually, during either semester, on request.

9a, 10b. SPECIAL TOPICS IN ASTROPHYSICS—*Three class periods a week.* Mr. Green.

The content of this course may vary from year to year to suit the needs of advanced students. It may be repeated for credit. Prerequisite: *Considerable maturity in Mathematics, Physics, and Astronomy, such as Mathematics 11a, Physics 9a, and Astronomy 3a*; Senior standing. Semester course.

## BIBLICAL LITERATURE

The courses in this department are intended to give opportunity for study of our literary, moral, and religious heritage from the cultures which flourished in the Eastern Mediterranean lands where the roots of our civilization lie.

Those courses which are specifically Biblical in content are directed toward appreciation and understanding of Old and New Testaments and Apocrypha, their history, meaning and interpretation. These courses cover broadly the historical backgrounds, literary qualities, and enduring religious values in these works of creative genius. Course 1a, a survey of the whole Bible, is recommended as properly introductory to this field, but it is not a prerequisite for election of other courses in the department. Courses 2b, 4b and 8b, somewhat more advanced, place emphasis respectively upon the growth of religious ideas, the beginnings of the Christian movement, the literary history and art of the Bible, and its influence upon English and other literatures. Most of these courses deal inevitably with the wider implications of Biblical teachings in the religious life of man and the world. Advanced research or conference courses offer opportunity for intensive work by individual students on problems of archaeological, historical, philosophical, or religious interest. Course 7a affords study of the broad background of the great early culture-centers of the Near East, where the first significant steps toward civilization were taken, many of whose achievements have come down in unbroken line into our western civilization. The study of the Hebrew language is also offered, and may be followed by further work in Semitic epigraphy. Finally, a course in comparative religion is designed to acquaint the student with the nature and significance of religion in various cultures of our modern world.

Besides helping to orient the student in his religious thought and life, the work in this department may serve as a broad foundation for graduate study looking toward teaching, the ministry, or other professional service.

### MAJOR REQUIREMENTS

Six half-year courses in Biblical Literature and Biblical Literature 20.

Six other half-year courses in either Biblical Literature or related departments, such as English, History, Philosophy, Psychology, Sociology.

Special study of one selected Biblical field, e.g., history, literature, the Old or New Testament.

A comprehensive examination covering the history, literature, and criticism of the Bible, and the religious and moral life of the Hebrews, Jews, and Christians.

1a. INTRODUCTION TO THE BIBLE—*Three periods a week.* Mr. Flight.

Literary history of the Biblical books; problems of origins, growth, interpretation, literary and religious values. Semester course.

Offered annually.

2b. THE RISE OF CHRISTIANITY—*Three periods a week.* Mr. Flight.

A study of the background, early development, and spread of the Christian movement, up to the third century, as reflected in the New Testament, particularly in the book of Acts and the letters of Paul, and in the writings of the Church Fathers. Semester course.

Offered in 1947-48 and alternate years.

4b. DEVELOPMENT OF CHRISTIAN THOUGHT WITHIN THE BIBLE—*Three periods a week.* Mr. Flight.

A study of the origins and development of the basic ideas in the teaching of religious leaders from the prophets to Paul. Semester course. Not open to Freshmen.

Not offered in 1947-48; to be offered in 1948-49.

6b. COMPARATIVE RELIGION—*Three periods a week.* Mr. Flight.

A comparative study of the great living religions, their founders, their scriptures, their characteristic ideas and ideals. Semester course. Not open to Freshmen.

Not offered in 1947-48; to be offered in 1948-49.

7a. ANCIENT HISTORY OF THE NEAR EAST—*Three periods a week.* Mr. Flight.

(Also called History 7a.)

The beginnings of Western civilization in the cultures of the Near East; archaeological and historical. Not open to Freshmen. Semester course.

Offered annually.

8b. THE ENGLISH BIBLE—*Three periods a week.* Mr. Flight.

(Also called English 8b.)

History and literary art of the English Bible, particularly the King James version, and its influence on English and other literature. Semester course. Not open to Freshmen.

Offered in 1947-48 and alternate years.

9a or 10b. SPECIAL TOPICS—ADVANCED SEMINAR—*Three periods a week.* Mr. Flight.

Individual work to be elected by the student from one or more of the following divisions of the field: literature, archaeology, history, philosophy. Prerequisite: *A grade of 85 or more in one course in the department.* Semester course.

Offered annually. Limited to six students.

11. HEBREW—*Three periods a week.* Mr. Flight.

Grammar, composition, and reading of simple Old Testament prose. Year course. Offered in 1947-48 and alternate years.

## BIOLOGY

The courses in Biology are planned to meet the needs of the general student, as well as those of the specialist. Since man is himself a living organism, knowledge of the generalizations derived from studies of living organisms is reasonably to be considered part of the equipment of every educated man.

The careers opening from a background of undergraduate biology courses are: (a) Medicine, dentistry, and veterinary medicine, all of which require some undergraduate biology—a field of endeavor which may be termed *biological correction*; (b) positions in wild life and fish and game services, forestry, agriculture, animal husbandry—a field which may be termed *biological control*; (c) positions in museums and other research and curatorial capacities which might be termed *biological investigation*; (d) teaching.

Beginning with the basic course, Biological Science 1a, sequences can be planned leading through the various other courses to advanced individual work in Botany, in Ecology, in Entomology, and in Vertebrate Zoology or Vertebrate Anatomy. Such advanced work should be elected and registered as Biology 10.

### MAJOR REQUIREMENTS

The minimum major requirements will consist of Biological Science 1a, Biology 7, 12b, 14b, plus three other semester courses in Biology. (Any work in Biology 10 is to be additional to the minimum.) In addition, four semesters of work in at least two other fields of science, in courses to be approved by the Department after consultation. In addition, reading and reporting on some fifteen approved books, to be done at any time between the end of the Sophomore year and the comprehensive examination at the end of the Senior year. There will be a comprehensive examination, partly written and partly oral, near the end of the Senior year. The grade on this and on the reported reading will be entered under the heading of Biology 20b.

#### 1. BIOLOGICAL SCIENCE 1a.

(See General Courses, p. 72.)

#### 4. VERTEBRATE MORPHOLOGY (Anatomy and Embryology)—*One class period and two laboratory periods a week.* Mr. Dunn.

The laboratory work of this course includes the dissection of the principal types of vertebrates. The lectures deal with the development, status, and history of the organ systems of vertebrates. Prerequisite: *Biology 12b*; Sophomore standing. Year course.

Offered annually.



5. ENTOMOLOGY—*Two class periods and one laboratory period a week.*  
Mr. Henry.

The lectures and reading in this course furnish a background for the study of the physiology and anatomy of insects. The value of a knowledge of insects to man is stressed in both lectures and laboratory work. The preparation of a local collection is encouraged. Prerequisite: *Biology 12b*. Year course.  
Not offered in 1947-48; to be offered in 1948-49.

7. EVOLUTION, HEREDITY, AND OTHER GENERAL BIOLOGICAL PROBLEMS—*Three periods a week.* Mr. Dunn.

This is intended not only for students of Biology, but for all who wish to be informed on recent developments in the field of biology, especially for students of Sociology, Philosophy, and History. Special emphasis is given to the modern theories of evolution and of heredity. Prerequisite: Junior standing. Year course.  
Offered in 1947-48; not to be offered in 1948-49.

8a. ADVANCED BOTANY—*Two class periods and one laboratory period a week.* Mr. Henry.

The work of this course consists of the identification of representative flowering plants, together with the study of their taxonomy, distribution, and economic importance. The preparation of a local collection is encouraged. Prerequisite: *Biology 14b*.

Not offered in 1947-48; to be offered in 1948-49.

10. PROJECT COURSES—*Three hours.* Required of all candidates for Honors in Biology, and open to other properly qualified students by permission of the instructor.

Vertebrate Zoology. Mr. Dunn.

Classification and evolution of vertebrate groups.

Offered every semester.

Advanced Morphology. Mr. Dunn.

Study of morphological problems in animals.

Offered every semester.

Ecology and Distribution. Mr. Dunn, Mr. Henry, and Mr. Evans.

Problems of habitat relationships or distributional relationships of plants and/or animals.

Offered every semester.

Advanced Botany. Mr. Henry.

Studies in comparative anatomy of plants.

Offered every semester.

12b. GENERAL ZOOLOGY—*Four hours. Two class periods and two laboratory periods a week.* Mr. Dunn, Mr. Henry, and Mr. Evans.

This is a strict course in structure and classification. The objective is a knowledge of the diversity of the animal kingdom, and the methods employed in investigating and dealing with that diversity. The lectures will deal with the principles and practice of classification, the laboratory with the evidences for the structural basis for the classification. Required of all Biology majors and of all premedical students. Prerequisite: *Biological Science 1a*. Semester course.  
Offered annually.

**14b. BASIC BOTANY**—*Four hours. Two class periods and one laboratory period a week. Mr. Henry.*

This course has been designed to extend the knowledge of general principles gained in *Biological Science 1a* to the distinctive characteristics of plants. Structure, physiology, and classification are considered with particular attention to the special relationship of plants and plant activities to human welfare. Required of all Biology majors. Prerequisite: *Biological Science 1a*.

**15. FUNDAMENTALS OF SYSTEMATICS**—*Three hours.*

Given at the Philadelphia Academy of Sciences. Open only to Seniors, with consent of the Department.

**16b. ECOLOGY**—*Two class periods and one laboratory period a week. Mr. Evans.*

This course will introduce the student to the problems of the relationship between organism and environment and the methods of studying these problems. The lectures will stress such topics as major types of environment, limiting factors, food and shelter requirements, community structure, succession, and populations. Laboratory work will include a study of some of these problems in the field. Prerequisite: *Biological Science 1a*. Semester course.

Offered annually.

## CHEMISTRY

The program of courses in chemistry is planned for the purposes of sound education rather than of technical training. When taken in proper sequence they afford a developing knowledge of chemistry as a rational science. Fundamental principles are stressed but sufficient experimental and other factual material is introduced to render these principles clear and to illustrate their applicability. Emphasis is placed upon precision of observation, measurement, and statement, and upon the application of the inductive-deductive method of scientific development, with the aim of making the study of chemistry of value in other fields of learning and in daily living.

Men who intend to undertake graduate study in chemistry should complete the chemistry courses for the Major (see below) together with courses 14b and 16a, and also German 2, Mathematics 2, and Physics 2. This is in accord with the level of accomplishment recommended by the American Chemical Society, which has placed Haverford on its approved list. For the courses in chemistry required for premedical preparation, see page 42.

Students whose scholastic record prior to entrance indicates a satisfactory proficiency in elementary chemistry may enter the more ad-

vanced course, Chemistry 2a, directly from high school. All others desiring work in chemistry must first pass Physical Science 1. Chemistry 3b may be elected following course 2a, and Chemistry 21a and 22b following Physical Science 1. Chemistry 3b or 22b is prerequisite to more advanced courses in chemistry.

## MAJOR REQUIREMENTS

Chemistry 2a and 3b (or their equivalent), 4a, 5a, 6b, 9b (or 7a and 8b), 13a, 20, Physics 2, and one additional advanced course in chemistry. The Major examination will cover the chemistry courses listed together with selected topics in the field of chemistry.

Candidates for Final Honors in chemistry will pursue, during the Junior and Senior years, a course of reading and conference on the history of chemistry, recent advances in chemistry, and the philosophy of science. They must satisfy the Department as to their ability to read Chemical German and must acquire some knowledge of the methods of original chemical research and some skill in the art of glass blowing. The honors program should be arranged with the Major Supervisor at the beginning of the Junior year.

### 2a. PRINCIPLES OF INORGANIC CHEMISTRY—*Four hours. Three class periods and one laboratory period a week.* Mr. Jones and Mr. Cadbury.

Elective for those who have had high school chemistry. Lectures dealing with the fundamental laws and theories of chemistry, the periodic arrangement and properties of the elements, solutions of nonelectrolytes and electrolytes, spectrum analysis, radioactivity, atomic numbers, isotopes, and the theories of atomic and molecular structure and their application in representing chemical reactions. The laboratory work includes elementary analytical tests for inorganic ions. Prerequisite: *High school chemistry*. Semester course.

Offered annually.

### 3b. QUALITATIVE ANALYSIS—*Four hours. Two class periods and two laboratory periods a week.* Mr. Meldrum, Mr. Cadbury, and Mr. Baer.

Lectures on reaction kinetics and the application of the ionic theory to analytical processes and to electrolytic phenomena. The systematic qualitative analysis of inorganic materials using the semimicro method constitutes the laboratory work. Prerequisite: *Chemistry 2a*.

### 4a. QUANTITATIVE ANALYSIS—*Four hours. Two class periods and two laboratory periods a week.* Mr. Meldrum.

Lectures and laboratory work dealing with the general principles of gravimetric, volumetric, electrolytic, and colorimetric methods of analysis. Prerequisite: *Chemistry 3b*. Semester course. Limited to forty students. In 1947-1948 this course was given also in the second semester as Chemistry 4b.

Offered annually.

5a, 6b. ORGANIC CHEMISTRY—*Four hours. Three class periods and one laboratory period a week.* Mr. Meldrum and Mr. Jones.

A study of aliphatic, aromatic, and heterocyclic compounds. In the laboratory, experiments illustrating the synthesis and chemical properties of such substances are carried out. Prerequisite: *Chemistry 3b*. Semester course. Limited to forty students.

Offered annually.

7a, 8b. PHYSICAL CHEMISTRY—*Four hours. Three lecture periods and one laboratory period a week.* Mr. Cadbury.

A study of the general properties of matter, using both the kinetic and thermodynamic methods, colligative and electrolytic properties of solutions, reaction velocity and catalysis, adsorption, colloids, and the phase rule. The laboratory work involves illustrative physico-chemical measurements. Prerequisite: *Chemistry 4a* and *Mathematics 2*. Junior standing. Semester course.

Offered annually.

9b. PREMEDICAL PHYSICAL CHEMISTRY—*Three class periods a week.* Mr. Baer.

A lecture and conference course dealing particularly with those phases of physical chemistry which find application in physiology, physiological chemistry, and other medical school subjects. Among the topics discussed are: gases and solutions, hydrogen ion concentration and *pH* and their measurement, reaction velocity and catalysis, enzyme action, adsorption, and colloids. Prerequisite: *Chemistry 4a*. Semester course.

In 1947-1948 this course was given also in the first semester as *Chemistry 9a*. Prerequisite: *Chemistry 4a* and *6b*. Junior standing. Semester course.

Offered annually.

12b. ADVANCED INORGANIC CHEMISTRY—*Three class periods a week.* Mr. Jones.

Lectures and conferences dealing with advanced phases of inorganic chemistry such as modern concepts of valence, Werner's complexes, intermetallic compounds, metal hydrides, isotopes and their application in research. Prerequisite: *Chemistry 4a* and *6b*. Junior standing. Semester course.

Offered annually.

13a. ADVANCED ORGANIC CHEMISTRY—*Four hours. Two class periods and two laboratory periods a week.* Mr. Baer.

A study of stereochemistry, carbohydrates, amino acids and proteins, essential oils, and alkaloids. The laboratory work involves the identification of organic substances by classification reactions and by the preparation of derivatives. Prerequisite: *Chemistry 5a* and *6b*. Junior standing. Semester course. Limited to thirty-two students.

Offered annually.

14b. ORGANIC SYNTHESSES—*Four hours. Two class periods and two laboratory periods a week.* Mr. Baer and Mr. Benfey.

A study of organo-metallic compounds, rearrangements, unsaturated systems, and special preparative reactions of organic chemistry. Special syntheses constitute the laboratory work. Prerequisite: *Chemistry 5a* and *6b*.



15b. ADVANCED QUANTITATIVE ANALYSIS—*One class period and two laboratory periods a week.* Mr. Meldrum and Mr. Benfey.

Lectures and conferences dealing with general methods for the quantitative determination of the elements and the analysis of industrial materials. The laboratory work includes the complete quantitative analysis of certain inorganic materials. Prerequisite: *Chemistry 4a*. Semester course.  
Offered annually.

16a. QUANTITATIVE ANALYTICAL METHODS—*One class period and two laboratory periods a week.* Mr. Jones.

Lectures and laboratory work dealing with micro, semimicro, and other special methods of quantitative analysis. Prerequisite: *Chemistry 4a* and *6b*. Junior standing. Semester course.  
Offered annually.

17a, 18b. CHEMICAL RESEARCH—*Three conferences a week.* Mr. Meldrum and Staff.

Open only to Senior chemistry Majors and to Graduate students in Chemistry. May be elected as one or more courses. Prerequisite: *Chemistry 4a, 6b, and 8b* or *9b*. Semester course.  
Offered annually.

20b. CHEMISTRY MAJOR—*Three hours.* Mr. Meldrum and Staff.

Seniors majoring in chemistry will meet with members of the Staff for one period per week for a critical discussion of the chemical principles studied in the courses and the application of these principles to modern developments in the science.

21a. INORGANIC CHEMISTRY—*Four hours. Three class periods and one laboratory period a week.* Mr. Cadbury.

Lectures and laboratory work dealing with the preparation, properties, and uses of the more common elements and their compounds, and the application of the general principles of chemistry to industrial processes. The laboratory work includes elementary analytical tests. Prerequisite: *Physical Science 1*. Not open to Freshmen. Semester course.  
To be offered annually after 1947-48.

22b. QUALITATIVE ANALYSIS—*Four hours. Two class periods and two laboratory periods a week.* Mr. Cadbury and Mr. Baer.

Lectures on ionic equilibria and their application to qualitative analytical chemistry. The systematic qualitative analysis of inorganic materials using the semimicro method constitutes the laboratory work. Prerequisite: *Chemistry 21a*. Not open to Freshmen. Semester course.  
Not offered in 1947-48.

52b. SPECIAL TOPICS IN THEORETICAL CHEMISTRY—*Three conferences a week.* Mr. Meldrum.

Open only to Graduate students of Chemistry. Semester course.  
Offered annually.



## ECONOMICS

The work in Economics is intended primarily to give students an understanding of the working of modern economic society, to give practice in the interpretation of economic data, to arouse an informed interest in public affairs, and to give the basis for the formation of intelligent judgments in the field of economic policy. The elementary course is designed to give the basic understanding of economic processes and of economic organization that should be part of a liberal education in the modern age. The advanced courses also are given as part of a program of liberal education, but at the same time are designed to meet the needs of men going into business or finance, or going on to graduate work in economics or business administration. Several of the advanced courses should be of special value to men planning to enter the foreign service or other fields of government work, or going into journalism or law. In the advanced courses emphasis is placed on the use of source materials and on research methods in economics; and students are given practice in the preparation of analyses and reports.

Economics is part of the larger field of the Social Sciences and has close relations with many aspects of the Natural Sciences. Men majoring in Economics are required to take supporting courses from Political Science, History, and Sociology; and are encouraged to take work in the Natural Sciences and the elementary course in Statistics offered by the Department of Mathematics.

### MAJOR REQUIREMENTS

Economics 1, 3a, 9a, 13a, 20, and three other half-year courses in Economics, Mathematics 13a (Introduction to Statistics) may be considered as one such half-year course. Economics 20 consists of selected readings on the history of economic thought and on current economic problems.

Sociology 1a, and three other half-year courses in supporting fields, as approved by the professors concerned.

A seven-hour comprehensive examination covering a review of the Major courses and the readings. A part of the comprehensive examination may be oral.

1. **ELEMENTARY ECONOMICS**—*Three periods a week.* Mr. Fetter, Mr. Teaf, Mr. Sass, and Mr. Seidenberg.

The purpose of this course is to acquaint the student with the main features of modern economic life, and to develop an understanding of the principles underlying economic relationships. Emphasis is laid on the application of these principles to present-day problems. Prerequisite: Sophomore standing. Year course.

Offered annually.

3a. **MONEY AND BANKING**—*Three periods a week.* Mr. Fetter.

A study of the history and principles of money, credit, and banking, with particular reference to American conditions. Such problems as monetary standards, price movements and their effects, foreign exchange, commercial banking, and central banking, and the Federal Reserve System are considered. Prerequisite: *Economics 1.* Semester course.

Offered annually.

4b. **INTERNATIONAL TRADE AND FINANCE**—*Three periods a week.*

A study of foreign trade and exchange, international payments and trade problems connected therewith, money and banking in their international aspects, and international indebtedness. Prerequisite: *Economics 1.* Semester course.

Offered annually.

5a. **LABOR RELATIONS**—Mr. Watson.

(See Sociology 5a.)

6b. **MANAGEMENT AND INDUSTRIAL RELATIONS**—Mr. Watson.

(See Sociology 6b.)

8a. **PUBLIC FINANCE**—Mr. Herndon.

(See Political Science 8a.)

9a. **ACCOUNTING**—*Three periods a week.* Mr. Glendening.

The balance sheet and statement of profit and loss, the classification of accounts, the theory of debit and credit, the books of original entry and of record, opening and closing the books, corporation accounts, reserves, etc. Discussion is accompanied by practice problems. This course is intended to provide an understanding of accounting sufficient for students going into the profession as well as a foundation for advanced accounting courses for those who will go into business. Prerequisite: *Economics 1.* Semester course.

Offered annually.

10b. **THE CORPORATION**—*Three periods a week.* Mr. Teaf.

Economic functions and legal responsibilities of the corporation and its members; types of securities; general financial policy; the distribution of securities; expansion, combination, and reorganization. Social problems created by the growth of corporations are given special attention. Prerequisite: *Economics 9a* or *9b.* Semester course.

Offered annually.

11a. GOVERNMENT AND BUSINESS—*Three periods a week.* Mr. Teaf.

(Also called Political Science 11a.)

A study of the economic basis, the historical development, and the present problems of the regulation of business organization and policies by government. Special attention is given to such topics as the trust movement, anti-trust legislation, the Federal Trade Commission, competitive practices, cartels and trade associations. Prerequisite: *Economics 1*. Semester course.

Offered annually.

13a. NATIONAL INCOME AND INVESTMENT—*Three periods a week.*

Mr. Fetter.

A study of the meaning of national income and the methods of measuring it; its distribution in the United States; the economic effects of the allocation of national income as between consumption, investment, and hoarding; the significance of investment in the modern economy; the effects of governmental policy upon income distribution. Intended primarily for Economics Majors, but open also to qualified students from other departments. Prerequisite: *Economics 3a*; Senior standing. Semester course. Seminar.

Offered annually.

14b. SEMINAR IN ECONOMIC PROBLEMS—*Three hours a week.* Mr.

Teaf.

This seminar will deal with an economic problem of current importance, with emphasis on the relation between economic analysis and the formulation of public policy.

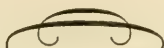
The subject of the course may shift from year to year, or the same topic may be continued for several years, depending on developments in world economic affairs. In case of a shift in the subject matter of the course, it may be repeated for credit. Prerequisite: *Economics 1*. Semester course. Seminar.

Offered annually.

15a, 16b. SEMINAR—*Three hours a week.* Mr. Teaf.

Readings, reports, and conferences on selected topics, to meet the individual needs of graduate students. Open to Graduate students and Majors only. Semester course.

Offered annually, if required.



## ENGINEERING

The objective of the Engineering Department of Haverford College is to prepare students in the fundamentals of engineering by giving them training in the sciences and engineering, together with a broad liberal arts background under the influence of the philosophical and religious atmosphere available to all Haverford students.

Students not intending to enter the highly specialized fields of design and research will find the Haverford course ample for their needs. Graduates of Haverford who have majored in engineering are admitted to the student-engineers' courses of the leading industrial companies on equal terms with graduates of the larger engineering colleges. Those who desire more specialized training before entering the active work of the profession are granted substantial credit toward advanced standing in technical institutions or are admitted to their graduate schools.

A typical selection of courses for those majoring in engineering is outlined on pages 40-41. Engineering 13a and 14b may be counted as courses in Physics for the purpose of satisfying any curricular requirements.

### MAJOR REQUIREMENTS

Engineering 1a, 2b, 7a, 8b, 12a, 13a, 14b, 16b, 20, Mathematics 2, Physics 2 and two half-year courses in Chemistry or Physical Science I and one half-year course in Chemistry. Engineering seminar (a two year, non-credit course) and comprehensive examination.

Courses in Mathematics, Physics and Chemistry shall be considered preliminary courses as defined on page 36.

**1a. PRINCIPLES OF ENGINEERING DRAWING AND SHOP METHODS—***Three laboratory periods a week.* Mr. Hetzel and Mr. Rantz.

Lettering, projection, perspective, sketching, conventions, detail and assembly drawings. Exercises in machine-tool work. Inspection trips. Text: *Luzadder Engineering Drawing and Problems in Engineering Drawing*. Semester course. Limited to thirty-four students.

Offered annually.

**2b. ENGINEERING DRAWING, SURVEYING, AND SHOP METHODS—***Three laboratory periods a week.* Mr. Hetzel, Mr. Holmes, and Mr. Rantz.

Additional work on detail and assembly drawings. Exercises in machine-tool work. Two periods per week for the last eight weeks in the Spring are spent on Plane Surveying. Lectures by outside specialists in the various branches of engineering will be arranged for orientation purposes. Inspection trips. Prerequisite: *Engineering 1a*. Semester course.

Offered annually.



**7a. KINEMATICS OF MACHINES**—*One class period and two laboratory periods a week.* Mr. Hetzel.

Velocity and acceleration analysis of mechanisms; cams, belts, chains, gears, etc. Inspection trips. Text: Keown and Faires, *Mechanism*, and Headley, *Problems in Kinematics*. Semester course.

Offered annually.

**8b. ANALYTICAL MECHANICS**—*Three periods a week.* Mr. Hetzel.

A study of forces and moments of forces; determination of forces in trusses and cranes; centroids and center of gravity; rectilinear and curvilinear motion; translation and rotation of bodies; work, power and energy; impulse and momentum; balancing and moments of inertia. Text: Seely and Ensign, *Analytical Mechanics for Engineers*. Prerequisite or parallel course: *Mathematics 2*. Semester course.

Offered annually.

**12a. THERMODYNAMICS**—*Three class periods a week and occasional laboratory periods.* Mr. Holmes.

Energy, gas laws, vapors, mixtures of gases and vapors, theoretical and actual thermodynamic cycles for power and refrigeration. Text: Hawkins, *Thermodynamics*. Prerequisite: None, but *Physics 2* desirable. Semester course.

Offered annually.

**13a. ELEMENTS OF ELECTRICAL ENGINEERING**—*Four hours. Three class periods and one laboratory period a week.* Mr. Benham and Mr. Rantz.

Direct current circuits and machinery. The course includes electromagnetism, induced electromotive force, electric and magnetic fields, direct current motors and generators, commutation, armature reaction, parallel operation of generators and the systems for distributing direct current. Prerequisite: *Physics 2*. Semester course.

Offered annually.

**14b. ELEMENTS OF ELECTRICAL ENGINEERING**—*Four hours. Three class periods and one laboratory period a week.* Mr. Benham and Mr. Rantz.

Alternating current circuits and machinery. Single phase and polyphase circuits, transformers, induction motors, generators, synchronous motors, single phase motors, transmission and distribution of alternating current, and illumination. Prerequisite: *Physics 2*. Semester course.

Offered annually.

**16b. MECHANICS OF MATERIALS**—*Two class periods and one laboratory period a week.* Mr. Holmes.

A study of stress and strain, beams and columns, shafting, girders, combined stresses, etc. Inspection trips. Text: Laurson and Cox, *Mechanics of Materials*. Prerequisite: *Mathematics 2* and *Engineering 8b*. Semester course.

Offered annually.



## 25a, 26b. SPECIAL PROJECTS.

Required of candidates for High and Highest Honors in Engineering but open to all students with the necessary prerequisites. Students in Engineering are encouraged to do individual work in some special field of investigation.

The following fields of study are suggested:

FLUID MECHANICS. Prerequisite: *Mathematics 2* and *Physics 2*. Mr. Holmes.

HEAT ENGINEERING. Prerequisite: *Physics 2*. Mr. Holmes.

INTERNAL COMBUSTION ENGINES. Prerequisite: *Physics 2*. Mr. Hetzel.



## ENGLISH LANGUAGE AND LITERATURE

The Department believes it essential to insure that all undergraduates should be able to use the English language efficiently. Freshmen, therefore, are required to prove their ability in this respect.

It believes, further, that the departmental curriculum must provide a general cultural background for those students whose interests are chiefly scientific or technical. It offers, therefore, intermediate courses in English and American literature.

It believes, finally, that courses must be provided for students who intend to specialize in English, and perhaps do graduate work in literature or related fields. It offers, therefore, advanced courses designed both in content and method to supplement the elementary and intermediate courses and to prepare for graduate work.

The Department recognizes that these purposes cannot be rigidly differentiated, and it has no intention that they should be. Considerable freedom of selection is possible for the individual student after appropriate consultation.

The attention of slow readers is called to the remedial work in reading offered by the Department of Psychology.

### MAJOR REQUIREMENTS

An individual program equal to six courses of two terms each, made up principally from the advanced English courses with the approval of the Major Supervisor, and stressing the Elizabethan and nineteenth-century literature. (English 11a, 21b, 22a, 23b, 41a, 42b, 43a and 20.)

- 1a, 1b. COMPOSITION, METHODS, AND PUBLIC SPEAKING—*Four periods a week*. Mr. Lester, Mr. Ashmead, Mr. Snyder, and Mr. Fox.  
Written composition, public speaking, methods and techniques of college work.  
Semester course.  
Offered each semester.

- 2a, 2b. TYPES OF LITERATURE—*Three periods a week*. Mr. Snyder, Mr. Gary, and Mr. Ashmead.  
Introduction to the study and appreciation of literature through reading and analysis of significant works of drama, poetry, fiction, and expository prose. Frequent papers and oral reports. Semester course.  
Offered each semester.

- 4b. INTERMEDIATE COMPOSITION AND ORAL DISCUSSION—*Three periods a week*. Mr. Hoag.  
Practice in expository writing and in the techniques of public discussion. Prerequisite: *English 1*. Semester course. Limited to twelve students. Offered annually.
- 8b. THE ENGLISH BIBLE—Mr. Flight.  
(See Biblical Literature 8b.)
- 11a. SHAKESPEARE—*Three periods a week*. Mr. Gary.  
Reading and study of twelve plays, with emphasis on features of general and popular interest. Prerequisite: *English 2*; Sophomore standing. Semester course. Offered annually.
- 12b. CONTEMPORARY DRAMA—*Three periods a week*. Mr. Snyder.  
A study of the techniques and practice of the modern drama, as illustrated in the works of Ibsen and the best modern dramatists of England and America. Semester course. Not open to Freshmen. Offered annually.
- 14a. AMERICAN LITERATURE TO THE CIVIL WAR—*Three periods a week*. Mr. Snyder.  
Prerequisite: *English 2*; Sophomore standing. Semester course. Offered in 1947-48 and alternate years.
- 21b. NINETEENTH-CENTURY ENGLISH LITERATURE—*Three periods a week*. Mr. Lester.  
Lectures, discussions, and reading. Prerequisite: Junior standing. Semester course. Offered annually.
- 22a. NINETEENTH-CENTURY POETS—*Three periods a week*. Mr. Snyder.  
A study of six poets: Coleridge, Wordsworth, Shelley, Byron, Keats, and Tennyson. Lectures and classroom discussions. Prerequisite: *English 2*; Junior standing. Semester course. Offered annually.
- 23b. ELIZABETHAN LITERATURE—*Three periods a week*. Mr. Gary.  
Chief writers of the English Renaissance, omitting Shakespeare. Prerequisite: *English 11b*. Semester course. Offered annually.
- 26a. EIGHTEENTH CENTURY LITERATURE—*Three periods a week*. Mr. Ashmead.  
Novel and Drama. Prerequisite: *English 2*; Junior standing. Semester course. Offered annually.
- 26b. EIGHTEENTH CENTURY LITERATURE—*Three periods a week*. Mr. Ashmead.  
Dr. Johnson and his Club (Boswell's *Life of Johnson*), the chief poets, Pope, Gray, and Burns. *Ossian*. Prerequisite: *English 26a*; Junior standing. Semester course. Offered annually.

27a. GREEK LITERATURE IN ENGLISH—Mr. Post.

(See Greek 27a.)

28a. CREATIVE WRITING—*Three periods a week.* Mr. Gary.

Practice in writing imaginative literature. Chiefly confined to prose fiction. Regular assignments, class discussion, and personal conferences. Prerequisite: *English 1 or English 4*; Junior standing. Semester course. Limited to twelve students.

Offered annually.

30a. CHAUCER—*Three periods a week.* Mr. Hoag.

A brief account of Middle English. The main emphasis is upon the literary qualities of *Troilus and Criseyde* and *The Canterbury Tales*. Prerequisite: *English 2*; Junior standing. Semester course.

Offered annually.

32b. BRITISH AND AMERICAN LITERATURE OF THE TWENTIETH CENTURY—*Three periods a week.* Mr. Gary.

Fiction and verse by selected writers from Conrad and Crane to Auden and Hemingway. Prerequisite: Two semester courses in English beyond the Freshman year. Semester course.

Offered annually.

41a. SPECIAL TOPICS IN NINETEENTH-CENTURY LITERATURE—*Three hours a week.* Mr. Lester.

Studies in the development of nineteenth-century thought as expressed in English Literature. Three papers will be required of each student. Required of all English Majors. Prerequisite: *English 21b and consent of the instructor*. Seminar course.

Offered annually.

42b. SPECIAL TOPICS IN POETRY—*Three hours a week.* Mr. Snyder.

Browning's Poems. Also treatises on poetic theory from Aristotle to Whitman. Prerequisite: *English 22 and consent of the instructor*. Required of all English Majors. Semester course.

Offered annually.

43a. METHODS OF LITERARY SCHOLARSHIP—*Three hours a week.* Mr. Gary.

An introduction to the aims, problems, and methods of research in English literature by means of an advanced study of Shakespeare. Biweekly reports and one piece of original investigation. Required of all English Majors. Prerequisite: *English 11b and 23b and consent of the instructor*. Seminar course.

Offered annually.

210. PLAYWRITING AND PRODUCTION (Given at Bryn Mawr College)  
—*Three hours a week.* Mr. Thon.

Year course.

Offered annually.

## GENERAL COURSES

**BIOLOGICAL SCIENCE 1a. GENERAL PRINCIPLES OF BIOLOGICAL SCIENCE**—*Four hours. Three class periods and one laboratory period a week.* Mr. Dunn, Mr. Henry, and Mr. Evans.

The object of this course is to impart to the student some knowledge and appreciation of the generalizations which have resulted from the study of living organisms. An outline of these generalizations and of their historical origin will be given in the lectures of the course. The discussion group periods will be utilized for clarification and testing. In the laboratory period opportunity will be afforded to utilize those methods of study, and to verify those generalizations which can be brought into the confines of a college laboratory. Semester course. (Limited to ninety-six students.)

Offered annually.

**HUMANITIES 1. INTERPRETATION OF LIFE IN WESTERN LITERATURE**—*Three periods a week.* Mr. Gray.

Study in their entirety of selected literary works which are great imaginative presentations of attitudes toward life. Prerequisite: *English 2*; Sophomore standing. Year course. Limited to twenty-five students.

Offered annually.

**HUMANITIES 3a. CULTURE OF THE FAR EAST**—*Three periods a week.* Mr. Post.

This course is designed to introduce students to the life and literature of the Far East, through the use of translations, and to develop their mastery of a major field and of expository writing. G. Nye Steiger, *A History of the Far East*, is recommended for supplementary reading. Essays, weekly or biweekly, for discussion at individual meetings with the instructor. It may be taken as one or two half-courses in either half-year by a limited number of students who will be admitted only after a personal interview and only if there is still room for them when they apply to the instructor. Prerequisite: Junior standing. Semester course. Seminar. Limited to six students.

Offered annually.

**PHYSICAL SCIENCE 1. GENERAL PRINCIPLES OF PHYSICAL SCIENCE**—*Four hours. Three class periods and one laboratory period a week.* Mr. Sutton, Mr. Cadbury, and Mr. Green.

An integrated course on topics from physics, chemistry, and astronomy. The aim of this course is to give to both the science and the non-science student a broad understanding of some of the basic principles upon which all physical science is built. The selection of subject matter has been made with a view to thorough treatment of a few important ideas rather than to a superficial treatment of many. Year course.

Offered annually.

**SOCIAL SCIENCE 1. GENERAL COURSE IN SOCIAL SCIENCE**—*Three class periods a week.*

The purpose of this course is to assist the student to acquire insight into human relationships and institutions, and to give him a sound basis for judgment in social problems. Year course. Limited to twenty-five students.

Not offered in 1947-48.



## GERMAN

The main objective of German study is the acquisition of the language as a means of access to the civilization of which it is the medium. The courses are planned and conducted with the aim of enabling the individual student to fulfill most effectively his prospective needs. Hence provision is made for acquiring a practical speaking knowledge of the language as well as the ability to read it for postgraduate research, for which in many fields it is indispensable, and for an appreciation of German literature.

German 1, 2, 3, and 5a are primarily language courses. The remaining courses are devoted largely to the history of German literature from the earliest times to the present, and to the intensive study of special periods and distinguished authors. The courses in literature are open to Juniors and Seniors, and to especially well qualified Sophomores.

The collateral reading which is required in German 2 and German 3 is in literary or scientific works, as the student chooses.

Opportunity is given to students who complete German 1 or German 2 with distinction to advance rapidly into higher courses by passing a special examination on a prescribed program of collateral reading. A plan is in effect by which students may obtain credit on the reading course either for German 2 or for German 3.

### MAJOR REQUIREMENTS

German 3, 4, 5a, 7a, 8b, 9a, 10b, 11a, 12b, 20.

Supporting courses to be arranged in conference with the Major Supervisor.

A comprehensive examination covering: 1. The German language; 2. History of the German language; 3. German literature; 4. German history, 1517-1914; and 5. A special period, literary movement, or author.

1. ELEMENTARY GERMAN\*—*Five periods a week.* Mr. Bruns and Mr. Steer.

Grammar, conversation, and the reading of simple texts. Year course.  
Offered annually.

2. INTERMEDIATE GERMAN—*Three periods a week.* Mr. Pfund, Mrs. Pfund, and Mr. Steer.

Texts of moderate difficulty are read both in class and as outside work. Composition and conversation. Prerequisite: *German 1 or the equivalent.* Year course.  
Offered annually.

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\* This course meets five hours a week, with corresponding reduction in outside preparation; three hours credit.

3. **ADVANCED GERMAN**—*Three periods a week.* Mr. Pfund.  
Reading of standard works of German literature. Composition and conversation.  
Prerequisite: *German 2 or the equivalent.* Year course.  
Offered annually.
4. **LESSING, GOETHE, SCHILLER**—*Three hours a week.* Mr. Kelly.  
Prerequisite: *German 3 or the equivalent.* Year course. Seminar course.  
Offered annually.  
Not offered in 1947-48; to be offered in 1948-49 and annually thereafter.
- 5a. **ADVANCED COMPOSITION AND CONVERSATION**—*Three periods a week.* Mr. Pfund.  
Readings in modern German literature, including works of contemporary writers, make up the subject matter of this course. Its objective is, accordingly, literary as well as linguistic. Prerequisite: *German 3 or the equivalent.* Semester course.  
Offered in 1947-48; not to be offered in 1948-49.
- 7a. **GERMAN ROMANTICISM**—*Two 1½ hour periods a week.* Mr. Bruns.  
A study of the Romantic movement in Germany and its relations to English and French Romanticism. Prerequisite: *German 3 or the equivalent.* Semester course. Seminar course in part.  
Offered in 1947-48; not to be offered in 1948-49.
- 8b. **THE GERMAN DRAMA OF THE NINETEENTH CENTURY**—*Two 1½ hour periods a week.* Mr. Bruns.  
Prerequisite: *German 7a.* Semester course. Seminar course in part.  
Offered in 1947-48; not to be offered in 1948-49.
- 9a. **HISTORY OF GERMAN LITERATURE FROM ITS ORIGINS TO THE SEVENTEENTH CENTURY**—*Three periods a week.* Mr. Pfund.  
Lectures in German, with collateral reading in modern German. Translation, discussion, written and oral reports. Prerequisite: *German 3 or the equivalent.* Semester course.  
Not offered in 1947-48; to be offered in 1948-49 and in alternate years.
- 10b. **HISTORY OF GERMAN LITERATURE FROM THE SEVENTEENTH CENTURY TO THE PRESENT.**—*Three periods a week.* Mr. Pfund.  
A survey course with lectures in German. Collateral reading, discussions, written and oral reports. Prerequisite: *German 3 or the equivalent.* Semester course.  
Not offered in 1947-48; to be offered in 1948-49 and in alternate years.
- 11a, or 12b. **SEMINAR COURSES**—*Three hours a week.*  
Prerequisite: *At least one year course beyond German 3.* Semester course.  
*Faust*—Mr. Pfund.  
An intensive study of Goethe's *Faust* in the original. Consideration is given to kindred works in European literature.  
*Richard Wagner*—Mr. Kelly.  
A study of Wagner's music dramas and theoretical writings, with special reference to their place in the history of ideas.  
*German Lyric Poetry*—Mr. Pfund.

## GREEK

The work in Greek can be modified to suit the needs of individual students. The elementary course provides some insight into the culture of the ancient Greeks, and into linguistic problems generally, besides leading to a knowledge of Greek adequate for the reading of the Gospels and of easy classical authors. More advanced courses are intended for students with an interest in history, philosophy, or literature; the authors read are studied for their value in these fields. Students are encouraged, to the extent of their capacity, to develop an imaginative understanding of art, philosophy, and science as forces in human life. The special contribution of the Greeks in these fields will be assessed and its significance in European history and in current education will be noted. A knowledge of Greek is a great asset in many fields of graduate study.

### MAJOR REQUIREMENTS

Greek 3a, 4b, and four half-year courses from Greek 7a, 8b, 9a, 10b, 11a, 12b, 27a, and History 13a; Greek 20.

Three additional courses to be arranged in conference with the Major Supervisor.

If Greek 2 is not taken in college, an additional half-course will be required.

A comprehensive examination on Greek language and literature, Greek history, and Greek civilization.

#### 1. ELEMENTARY GREEK—*Three periods a week.* Mr. Post.

Thorough study of the elements of the language followed by the reading of simple Attic prose. This course should be taken in the Freshman year, if possible. Year course.

Offered annually.

#### 2a, 2b. INTERMEDIATE GREEK—*Three periods a week.* Mr. Post.

A rapid reading course in such authors as Homer, Herodotus, and Euripides. Prerequisite: *Greek 1 or the equivalent.* Semester courses.

Offered annually.

#### 3a, 3b. ADVANCED GREEK—*Three periods a week.* Mr. Post.

Selections from Plato, Menander, Aristophanes, and the tragedians are read. Prerequisite: *Greek 2a and 2b.* Semester courses.

Offered annually.

#### 7a, 8b. ADVANCED GREEK—*Three periods a week.* Mr. Post.

The instructor will arrange with students electing this course a systematic study of special subjects in Greek philosophy, history, literature, or composition in connection with the reading of Greek authors. May be repeated for credit. Prerequisite: *Greek 3.* Semester courses.

Offered annually.

27a. GREEK LITERATURE IN ENGLISH—*Three periods a week.* Mr. Post.

(Also called English 27a.)

Lectures on Greek literature. Reading of Greek poetry, drama, and literary criticism in translation. Essays and discussions. No knowledge of Greek is required in this course, but a general acquaintance with English literature is essential. Prerequisite: Sophomore standing. Semester course.

Offered annually.

## HISTORY

The courses in history are designed to give some conception of the development of the civilizations which exist in Europe and in the United States today. Since history is the story of what men have done, it is related to every other field in the curriculum, but the limitation of time forces a selection of those aspects of human activity which can be treated in any course. In all courses except History 4 an attempt is made to give a reasonably rounded view of those developments which are deemed most important in the period under consideration as a background for understanding other subjects in the fields of the humanities and the social sciences. With a variation of emphasis in each course, caused in part by the nature of the growth of civilization in the period and in part by the amount of the historical evidence which has survived from the period, attention is given to such phases of development as the political, constitutional, social, economic, religious, and intellectual. History 1 is intended to be an introductory course by the nature of the subject, which is closely related both to European and to American history, and by the practice given in organizing historical material and weighing its value. It is not, however, a prerequisite for the election of any other course in the department.

The study of history provides a background against which many current problems of internal and external policies may be viewed to advantage. It also helps to develop critical standards for the evaluation of evidence which can often be applied in forming an opinion with regard to the solution of such problems. Finally, it is useful as a foundation for professional studies not only in history but also in such subjects as public administration, journalism, and law.

### MAJOR REQUIREMENTS

Four full-year courses (or three full-year courses and two half-year courses) in History, other than History 1; and History 20.



Two full-year courses or their equivalent in related departments.  
Four written examinations of three hours each.

1. **ENGLISH HISTORY**—*Three periods a week.* Mr. Lunt.  
A survey of political, constitutional, economic, and social history, intended as an introductory course. Open to Freshmen and Sophomores. Year course.  
Offered annually.
2. **FOUNDATIONS OF THE UNITED STATES, 1492-1865**—*Three periods a week.* Mr. Drake.  
Lectures, reading, and discussion in American colonial and early national history. Not open to Freshmen. Year course.  
Offered annually.
3. **NATIONAL DEVELOPMENT OF THE UNITED STATES, 1865 TO THE PRESENT**—*Three periods a week.* Mr. Drake.  
A study of institutional growth, with the larger social and political issues of the present considered in their historical setting. A lecture, reading, and discussion course, intended primarily for Juniors and Seniors. Year course.  
Offered annually.
4. **ENGLISH CONSTITUTIONAL HISTORY**—*Three periods a week.* Mr. Lunt.  
A study of the formation and growth of English institutions, designed to be useful particularly to those who are interested in government and law. Open to Juniors and Seniors. Year course.  
Not offered in 1947-48; offered in 1948-49.
5. **MEDIEVAL HISTORY**—*Three periods a week.* Mr. Lunt.  
A survey of the history of Europe from the time of the barbarian invasions to about 1500. Elective for Sophomores who have had History 1, and for Juniors and Seniors without prerequisite. Year course.  
Offered in 1947-48 and alternate years.
6. **MODERN EUROPEAN HISTORY**—*Three periods a week.* Mr. Lunt.  
A survey of the history of Europe from about 1500. Elective for Sophomores who have had History 1, and for Juniors and Seniors without prerequisite. Year course.  
Not offered in 1947-48; offered in 1948-49.
- 7a. **ANCIENT HISTORY OF THE NEAR EAST**—*Three periods a week.*  
Mr. Flight.  
(See Biblical Literature 7a.)  
Semester course.  
Offered annually.
- 13a. **GREEK HISTORY**—*Three periods a week.* Mr. Comfort.  
A survey of Greek history, with frequent reports on the art, archaeology, and political institutions of Greece. A knowledge of Greek is not required. Not open to Freshmen. Semester course.  
Offered in 1948-49 and alternate years.
- 14b. **ROMAN HISTORY**—*Three periods a week.* Mr. Comfort.  
A survey of Roman history to the time of Constantine. Frequent class reports on special topics. A knowledge of Latin is not required. Not open to Freshmen. Semester course.  
Offered in 1947-48 and alternate years.



## HISTORY OF ART

Under the co-operative arrangement between the Colleges, Haverford students who wish to take courses in the History of Art may do so at Bryn Mawr College.

### MAJOR REQUIREMENTS

Students majoring in History of Art are required to take four full courses (or the equivalent): the first year course, one of the second year courses, and two other courses, one of which shall be considered as an advanced course.

Allied subjects: English, French, German, History, Music, Philosophy.

All courses are illustrated with lantern slides and a large collection of photographs is available for study.

In cooperation with the Department, the Undergraduate Art Club offers studio practice and instruction in creative art. The studio is open to all interested students several afternoons a week throughout the year. There is no tuition fee and academic credit is not granted for this work.

### FINAL EXAMINATION

The final examination for students majoring in the History of Art consists of three parts of three hours each:

1. An examination conducted with slides and/or photographs testing the student's ability to identify important monuments and to analyze stylistic and iconographic elements within the field of major concentration.
2. A written examination on fundamental problems of style, evolution and cultural relationships in art. This examination will be based primarily on the first year introductory course.
3. A detailed examination on one of the following fields chosen from the broader field of major concentration:
  - a. Early Medieval Art
  - b. Gothic Art
  - c. Art of the Northern Renaissance
  - d. Italian Art after 1300
  - e. Art of the Seventeenth and Eighteenth Centuries
  - f. Modern Art (after 1800).

**101. AN INTRODUCTION TO THE HISTORY OF ART—Mr. Bernheimer and Mr. Sloane.**

A philosophical, technical and historical introduction to the field of the fine arts. Laboratory work in basic principles of design, color, and technique will be required in conjunction with the lectures. Three lectures, one hour of conference and two hours of laboratory each week.

**201a. ITALIAN ART—Mr. Sloane.**

From the fifteenth to the later sixteenth century.

**202b. ART OF THE NORTHERN RENAISSANCE—Dr. Bernheimer.**

Painting, sculpture, and the graphic arts north of the Alps from 1400 to the later sixteenth century.

**203. MEDIEVAL ART—Mr. Soper and Mr. Bernheimer.**

From the beginnings of Christian art to the International Style around 1400.

**301. BAROQUE AND ROCOCO ART—Mr. Bernheimer and Mr. Sloane.**

The arts of Europe from the late sixteenth century to the French Revolution.

**302. ART OF THE FAR EAST—Mr. Soper.**

Chinese and Japanese art from the earliest dynasties to the present including a survey of Indian art as an introduction to Buddhism in the Far East.

**303. MODERN ART—Mr. Sloane, Mr. Soper.**

The arts in Europe and the Americas from the French Revolution to the present including the minor arts and photography.

### **HONORS WORK**

Honors work is offered to students recommended by the department.

## **LATIN**

The primary aim of the Latin Department is to impart a reading knowledge of literary Latin of any period. A sound training in the language and literature of the Romans and their intellectual heirs in the Middle Ages contributes more than any other discipline to the mastery of English and of the Romance languages. It is also an invaluable tool for anyone who plans to engage in research in almost any branch of occidental history.

The secondary aim of the Latin Department is to inculcate a thorough knowledge and appreciation of Greco-Roman culture as one of the two chief foundations of western civilization.

The first group of courses (Latin 1 to Latin 7) normally constitutes a four-year sequence for students who must begin the study of Latin in college. Those who enter college with Latin credits will begin with

Latin 3 or 5a-6b or 7—according to their proficiency—and after finishing Latin 7 may proceed to any of the courses in the second group.

Latin 36b does not form a part of any sequence of courses in the study of Latin proper.

### MAJOR REQUIREMENTS

Four full-year courses in Latin (not including 1, 3, 5a, and 6b), and 20.

Two additional full-year courses in other departments, arranged in conference between the student and the professors in charge.

A comprehensive written examination on Roman history, literature, and civilization, and the classical heritage of medieval and modern times. Candidates for honors must take an oral examination also.

1. **ELEMENTARY LATIN**—*Three periods a week.* Mr. Comfort.

Grammar, reading, composition. Year course.

Offered annually.

3. **CICERO**—*Three periods a week.* Mr. Comfort.

*Orations* of Cicero and readings in other prose authors. Prerequisite: *Latin 1 or the equivalent.* Year course.

Offered annually.

5a, 6b. **VERGIL**—*Three periods a week.* Mr. Lockwood.

Six books of Vergil's *Aeneid* and readings in other Roman poets. Prerequisite: *Latin 3 or the equivalent.* Year course.

Offered annually.

7. **SURVEY OF CLASSICAL ROMAN LITERATURE**—*Three periods a week.* Mr. Lockwood.

Rapid reading of classical authors from Plautus to Suetonius. Emphasis will be laid on literary history and appreciation. Prerequisite: *Latin 6b or the equivalent.* Year course.

Offered annually.

11. **SURVEY OF MEDIEVAL LATIN LITERATURE**—*Three periods a week.* Mr. Lockwood.

Prerequisite: *Latin 7.* Year course.

Offered annually.

21a, 22b. **INDIVIDUAL TOPICS IN ADVANCED LATIN**—*Two periods a week.* Mr. Lockwood and Mr. Comfort.

Prerequisite: *Latin 7.* Seminar. Year course.

Offered annually.

36b. **LATIN LITERATURE AND ITS INFLUENCE ON ENGLISH LITERATURE**—*Three periods a week.* Mr. Lockwood.

Lectures on Latin literature and civilization. Reading of Roman prose and verse, including some of the Christian writers. No knowledge of Latin is required. Semester course.

Offered annually.

(Also called English 36b.)

Students who have taken courses in Latin beyond Latin 6b are not permitted to take this course for credit.

## MATHEMATICS

The aims of courses in Mathematics are: (1) to promote rigorous thinking by exhibiting a systematic, deductive intellectual discipline; (2) to explain the role which Mathematics has played in the development of the culture of our age; (3) to foster technical competence in Mathematics as an aid to the better comprehension of the physical, biological, and social sciences, and philosophy.

Freshman Mathematics is designed to provide that background of trigonometry, algebra, analytic geometry, and elementary calculus which is essential for any serious student of the natural and social sciences and which is culturally desirable for all.

The more advanced courses cover work in the fields of analysis, algebra, geometry, and statistics. The student majoring in the department extends his studies into all of these areas; he may prepare for teaching in preparatory school, for graduate study leading to college teaching or industrial research, or for statistical and actuarial work.

The sequence in analysis and algebra, Mathematics 2, 3a, 4b, 8b, 11a, is especially suited to the needs of the physical sciences, while Mathematics 13a and 14b deal with those concepts of statistics and probability which are fundamental to the biological and social sciences.

### MAJOR REQUIREMENTS

Mathematics 1, 2, 3a, 4b, 7a, 8b, 9a, 10b, 11a, 16b, and 20.

Recommended collateral courses are Physics 2, 9a, 10b; or, for prospective actuaries, Economics 1, 9a.

Prescribed parallel reading on the history and general principles of mathematics.

Three written comprehensive examinations, each three hours in length. An oral examination will be required for final honors.

It is recommended that facility in reading French and German be acquired as early in the college course as possible.

1. FRESHMAN MATHEMATICS—*Four periods a week.* Mr. Allendoerfer, Mr. Green, Mr. Thomsen, Mr. Wilson.

Functions and graphs; the differential and integral calculus of polynomials; plane trigonometry; analytic geometry in the plane with applications to conics and other curves; introduction to the geometry of three dimensions. Selected topics in college algebra.

For students presenting trigonometry for entrance to college an advanced section is provided in which trigonometry is replaced by advanced solid geometry and additional topics in college algebra. Year course.

Offered annually.



2. CALCULUS—*Three periods a week.* Mr. Allendoerfer and Mr. Thomsen.  
Differential and integral calculus, with applications. Prerequisite: *Mathematics 1*.  
Year course.  
Offered annually.
- 3a. DIFFERENTIAL EQUATIONS—*Three periods a week.* Mr. Coble.  
Methods of solution of the standard types of ordinary differential equations with applications to problems in physical science. Prerequisite: *Mathematics 2*.  
Semester course.  
Offered annually.
- 4b. ADVANCED CALCULUS—*Three periods a week.* Mr. Coble.  
Advanced topics in calculus, including infinite series, elliptic integrals, partial derivatives, Jacobians, line integrals, and Stokes' Theorem. Prerequisite: *Mathematics 2*. Semester course.  
Offered annually.
- 7a. THEORY OF EQUATIONS—*Three periods a week.* Mr. Allendoerfer.  
Advanced topics in the theory of equations; introduction to modern abstract algebra. Prerequisite: *Mathematics 2*.  
Not offered in 1947-48; to be offered 1948-49.
- 8b. VECTORS AND MATRICES—*Three periods a week.* Mr. Allendoerfer.  
The algebra of vectors, vector spaces, and matrices with applications to mathematical physics. Prerequisite: *Mathematics 2, 7a*.  
Not offered in 1947-48; to be offered 1948-49.
- 9a. ADVANCED ANALYTIC GEOMETRY—*Three periods a week.* Mr. Coble.  
Advanced plane and solid analytic geometry. Homogeneous coordinates. Introduction to the geometry of n-dimensions. Prerequisite: *Mathematics 2*. Semester course.  
Offered 1947-48; not to be offered 1948-49.
- 10b. PROJECTIVE GEOMETRY—*Three periods a week.* Mr. Coble.  
Projective geometry based on the axiomatic method. Synthetic and analytic aspects are considered. Introduction to Non-Euclidean Geometry. Prerequisite: *Mathematics 2, 9a*.  
Offered 1947-48; not to be offered 1948-49.
- 11a. PARTIAL DIFFERENTIAL EQUATIONS AND FOURIER SERIES—  
*Three periods a week.* Mr. Thomsen.  
Fourier Series and orthogonal polynomials with many applications to Chemistry, Engineering, and Physics. Prerequisite: *Mathematics 3a, 4b*. Semester course.  
Offered annually.
- 13a. INTRODUCTION TO STATISTICS—*Three periods a week.* Mr. Allendoerfer.  
Tabular and graphic methods, frequency distributions, averages, measures of central tendency, dispersion and skewness, correlation, tests of significance. Lectures and computing laboratory. Prerequisite: *Mathematics 1*. Semester course.  
Offered annually.



14b. MATHEMATICAL STATISTICS—*Three periods a week.* Mr. Allendoerfer.

Theoretical presentation of the mathematical background of elementary statistics and probability. Prerequisite: *Mathematics 2, 13a.* Semester course. Offered annually.

15a or 16b. SPECIAL TOPICS—*Three periods a week.* Mr. Allendoerfer, Mr. Thomsen.

Seminar course involving wide reading in the literature, and presentation of papers for group discussion. The content varies from year to year to suit the needs of advanced students. The course may be repeated for credit with change of content.

## MUSIC

The courses offered in Music have as their objective (1) the stimulation of the creative energies of the student through musical composition, and (2) the development of understanding of music and of thought concerning music as revealed in scientific and aesthetic treatises. In furthering and strengthening the discipline of music—one of the oldest in our culture—the College has no intention of training musical performers, by conservatory methods. The intention is rather to form enlightened workers in the field of music.

The center of the Haverford instruction is therefore in laying the *FOUNDATIONS of MUSIC* for beginners and strengthening these foundations for those who have already been initiated into the art. Those who wish to take their degrees with a major in Music will have further opportunity to work in the larger forms of composition and to get an introduction into musicology.

A very important aspect of the music instruction is the laboratory work leading to public performances of the creative efforts of the students. To this end a series of informal concerts is given in a small auditorium before a limited audience.

### MAJOR REQUIREMENTS

Three full-year courses in Music and three full-year (or six half-year) courses in related fields, such as History of Art; Advanced German; Elizabethan Literature; Mediaeval History; or other courses in Music. These courses are to be arranged in conference with the professor in charge.

A comprehensive examination in two parts:

(1) The History of Music. Candidates will be expected to show a knowledge of all styles from the mediaeval chants to the romantic era, as well as a special knowledge, including acquaintance with sources, of one particular period, preferably anterior to 1600 A.D.

(2) Musical Composition. Candidates will be expected to submit compositions involving three- and four-part writing for voices (in free counterpoint) and instrumental scoring for an ensemble of the classical type.

1a, 1b. FOUNDATIONS OF MUSIC—*Two class periods and one laboratory period a week.* Mr. Swan.

In the first semester this course takes up the study of melodic writing in two and three parts (counterpoint), preparatory to which comes a thorough practice in the modes. Certain models from the 15th and 16th century are examined. The goal is the production of a three-part motet. In the second semester writing for instruments is undertaken in the smaller forms, the models for which are drawn from the 19th century composers. Individual ways of thinking are encouraged, but the fundamental laws of musical composition are at no time disregarded. The reading is from the following texts: Knud Jeppesen, *Counterpoint*; R. O. Morris, *Contrapuntal Technique of the 16th Century*; R. O. Morris, *Foundations of Practical Harmony and Counterpoint*; Medtner, *The Muse and the Fashion*. Limited to twenty students. Semester courses.

Offered annually.

2b. ADVANCED MUSICAL COMPOSITION—*One three-hour laboratory period a week.* Mr. Swan.

A continuation of Music 1 intended for students who are able to attempt composition on a larger scale (sonatina, sonata, string quartet, small orchestra). Prerequisite: *Music 1a*. Semester course. Limited to five students.

Offered annually.

S-1 MUSIC HISTORY—*Three periods a week.* Mr. Swan (Given at Swarthmore College).

This seminar deals especially with the music of the Middle Ages and the Renaissance. Study of modern publications of older music (Machaut, Landini, the Netherlanders, the Spaniards, the Palestrina). Reading of *Woolridge*, *Ludwig*, *Besseler*, etc. Reduction of vocal scores of piano. Study of old clefs and notations (Apel). Prerequisite: *Music 1a* or *2b* (Haverford courses), and consent of the instructor. Semester courses.

Offered annually.

## PHILOSOPHY

The courses in Philosophy are intended first of all to acquaint students with the major currents of interpretation and reflection upon the recurring problems, such as the nature of man, the nature of the universe, the nature of the processes by which man apprehends and responds to that universe. Since these problems underlie the work of literature and furnish it with many of its most basic themes; since they underlie the presuppositions of political, sociological, and economic thought; since they reappear in the frame in which every thoughtful scientist works and affect not only the use to which his results will be

put, but his very method, just as his methods have influenced in turn the formulation of the problems, the study of philosophy is an important tool in connection with work in any of these fields.

In the second place the courses in philosophy are designed to assist in integrating material presented in literature, history, the social and physical sciences, in art, and in religion in order to assist the student in drawing together what he has learned, and in approaching a more responsible, intentional, and intelligent world view with which to confront life.

The courses are so planned as to require such orientation as would be secured in either Philosophy 3a (which examines in an elementary way the great problems man confronts) or Philosophy 5 (which deals with these same problems as it presents the great classical philosophical thinkers chronologically) before proceeding to the more specialized philosophical disciplines such as ethics, aesthetics, logic, political philosophy, philosophy of science, philosophy of religion, and to more specialized studies of certain philosophical thinkers.

### MAJOR REQUIREMENTS

Psychology 1a; Philosophy 5, 7a, 20.

Four other half-year courses in Philosophy.

Four half-year courses in related fields to be arranged in conference with the professor in charge.

A comprehensive examination in two parts: three hours on the History of Philosophy and three hours on one optional field selected from Topics in Philosophy since 1800, or Religious Thought, or Psychology.

3a. INTRODUCTION TO PHILOSOPHY—*Three periods a week.* Mr. Gray and Mr. Foss.

An understanding of the nature and function of philosophy and of its relations to other fundamental human interests such as science, religion, and art is sought through a consideration of representative philosophical problems. Semester course.

Offered annually.

5. HISTORY OF PHILOSOPHY—*Three periods a week.* Mr. Foss.

A study of the development of philosophy with special reference to Plato, Aristotle, Descartes, Locke, Berkeley, Hume, Spinoza, Leibnitz, Kant, and Hegel. First-hand acquaintance with selected writings of these philosophers; reports, lectures, and class discussions. Not open to Freshmen. Year course.

Offered annually.

7a. ETHICS—*Three periods a week.* Mr. Foss.

A study of (1) conflicts of ethical values involved in contemporary life; (2) certain classical ethical devices for resolving those conflicts; (3) the role of the

individual and of the group in the realization of ethical values. Case material drawn from contemporary situations and from literature will be widely used. Discussions, lectures, and papers. Prerequisite: *One semester course in Philosophy*. Junior standing. Semester course.

Offered annually.

9a. CLASSICS OF RELIGIOUS LITERATURE—*Three periods a week*.

Mr. Steere.

A study which will include such books as Augustine, *Confessions*; Bernard of Clairvaux, *On Consideration*; Meister Eckhart, *Sermons*; *Little Flowers* of St. Francis of Assisi; Thomas à Kempis, *Imitation of Christ*; *Theologica Germanica*; Theresa of Avila, *Autobiography*; Francis de Sales, *Introduction to the Devout Life*; Lancelot Andrewes, *Preces Privatae*; Pascal, *Thoughts*; Isaac Pennington, *Letters*; John Wesley, *Journal*; John Henry Newman, *Apologia*; George Tyrrell, *Autobiography*. Semester course.

Not offered in 1947-48.

10b. NINETEENTH CENTURY THINKERS—*Three class periods a week*.

Mr. Gray.

Selected writings of Schopenhauer, Nietzsche, Tolstoy, and Bergson.

Semester course.

Offered annually.

11a. PHILOSOPHY OF SCIENCE—*Three periods a week*. Mr. Schrecker.

This course, designed for students with a general cultural interest as well as for those specializing in some one of the sciences, aims at an understanding of the nature of scientific knowledge, the logical methods of science, and the structure of scientific systems. The course will aid students of the special sciences in appreciating the manner in which the work of their own field expresses man's scientific interest and contributes to the scientific world-view. Semester course. Prerequisite: *One semester course in Philosophy and one year course in Science*. Offered in 1947-48 and alternate years.

14b. AESTHETICS—*Three periods a week*. Mr. Foss.

A study of the philosophical principles underlying the creative and appreciative aspects of art. Semester course.

Not offered in 1947-48.

15a. HISTORY AND PHILOSOPHY OF QUAKERISM—*Three periods a week*. Mr. W. W. Comfort.

The Quaker Movement is studied in its relation to other intellectual and religious movements of its time, particularly those found in English philosophy. The development of the dominant Quaker conceptions is traced to the present day and critically examined. The course is designed for non-Friends as well as for Friends.

Not offered to Freshmen. Semester course.

Offered in 1947-48 and alternate years.

16b. INTRODUCTION TO THE PHILOSOPHY OF CIVILIZATION—*Three periods a week*. Mr. Schrecker.

An analytical survey of the fields of human work that compose civilization (religion, politics and law, science, art, economy, language); their structure, dynamics, and mutual dependence; the divisions of civilization (nations, classes, epochs, etc.); civilization and freedom; civilization and nature. Semester course. Offered in 1947-48.



17a, 18b. THE DEVELOPMENT OF POLITICAL THOUGHT—*A two hour seminar and one class period a week.* Mr. Gray and Mr. Post.

(Also called Political Science 17a, 18b.)

A seminar course based upon the writings of selected political philosophers from Plato to the present day. Prerequisite: *Philosophy 3a or 5; one semester of Political Science; otherwise by consent of the department.* Year course.

Limited to sixteen students.

Offered annually.

21. PHILOSOPHICAL SEMINAR—*Three hours a week.* Mr. Foss and Mr. Gray.

Specialized work in some restricted field of philosophic or religious thought is undertaken, the precise subject depending upon the needs of the students and the general interests of the group. Primarily designed for Seniors majoring in Philosophy and for Graduate students. Prerequisite: *Philosophy 5; Majors only except by special arrangement.* Year course. Limited to ten students.

Offered annually.

24b. PHILOSOPHY OF RELIGION—*Three periods a week.* Mr. Foss.

A study of the basic problems which the field of religion presents to a thoughtful mind. Prerequisite: *One semester course in Philosophy.* Semester course. Not open to Freshmen.

Offered in 1947-48 and alternate years.

## PHYSICAL EDUCATION

Courses in Physical Education are arranged in accordance with the plan for all-year physical training in the Freshman, Sophomore and Junior years. The aim of this plan is to make possible active participation in athletics for the majority of students at Haverford College with emphasis on the sports with carry-over value. Beginning with the class of 1951 (entering Sept. 1947) each student will be required to take, during his first three years, nine terms (Fall, Winter, Spring) of Physical Education or of certain non-academic courses (see p. 103), with a minimum of six terms in Physical Education as prescribed by the Department.

A thorough medical and physical examination is given to each student upon entrance and another at the end of the Sophomore year. A tuberculin test is given to all Freshmen, followed by an x-ray if necessary, as part of this required examination. Only those students whose physical condition is satisfactory will be permitted to take part in athletics.

The outdoor facilities include: Walton Field for football and track, with a 440-yard oval and a 220-yard eight lane straight-way cinder track; the Class of 1888 and Merion fields for soccer, both of which



are used for baseball and softball in the spring; a skating pond; Cope Field for cricket; an athletic field presented by the Class of 1916; a baseball field presented by the Class of 1922, used also for soccer in the fall; and twelve tennis courts, five of which were presented by the Class of 1923.

The indoor facilities are all included in the Gymnasium. The basement contains dressing rooms, showers, a swimming pool, a wrestling room, a training room, and a storage room for athletic equipment. A regulation basketball court is on the main floor and is used for Varsity and Junior Varsity Basketball, the interclass and intramural program, and for instruction in Physical Education. Adjoining this floor are the offices for the instructors and coaches, for the administration of medical and physical examinations, special student conferences, and a dressing room for officials. A special section for corrective and body-building work, an indoor track, and a trophy room are located on the second floor.

1. **PHYSICAL EDUCATION**—*Three hours.* Messrs. Randall, Haddleton, A. Evans, Docherty, Bramall, and Spealler.

A course of elementary instruction in athletic games including football, soccer, basketball, tennis, golf, track, volley-ball, handball, badminton; partly elective. Special corrective exercises for men who need them, during the winter term.

2. **PHYSICAL EDUCATION**—*Three hours.* Messrs. Randall, Haddleton, A. Evans, Docherty, and Bramall.

A course of advanced instruction in athletic games with emphasis on intramural sports.

3. **PHYSICAL EDUCATION**—*Three hours.* Messrs. Randall, Haddleton, A. Evans, Docherty, and Bramall.

A course, almost entirely elective, involving participation in some organized and supervised athletic activity.

## PHYSICS

Courses in Physics are intended to acquaint students with important fields of knowledge, to train them in analytical thinking, to give them an appreciation of the scientific method, and to help them gain insight into the methods of experimental investigation.

All students of the Liberal Arts, whether or not they plan to specialize in science, will find value in the integrated course called Physical Science 1. This course undertakes to develop an appreciation of the methods of science based upon a thorough treatment of a limited number of selected topics.

Students of physics, medicine, engineering, mathematics, chemistry or other sciences will find the foundation offered by General Physics (Physics 2) indispensable.

For the student with professional aims in science, the Department offers courses leading to a major in Physics which should equip a man to enter graduate school or industry on a favorable footing. Sound knowledge of mathematics is essential. Ability to understand and use the calculus is assumed in most of the advanced courses. The Department desires to cultivate in its major students independence of thought and initiative; to that end, Physics 13 is a required course. It offers opportunity to conduct an extended individual investigation with training in the mastery of theory and experiment, and emphasis upon independence and the ability to express oneself clearly on the subject of investigation. Physics 13 is not, however, limited to students majoring in Physics; it may be elected by others after consultation.

Physics 2 is ordinarily taken in the Sophomore year after Mathematics 1 or Physical Science 1, but Freshmen with adequate preparation may be admitted. Physics 3 is the usual second course, open both to the specialist and the non-specialist who has previously had either Physics 2 or both Physical Science 1 and Mathematics 1. It is open to qualified students who seek a broad understanding of modern concepts of matter and radiation. The remaining courses are best taken in Junior and Senior years. Physics 7a, 9a, and 10b are particularly recommended to students of physics, chemistry, mathematics, and engineering who plan to do graduate work.

Physics 2, 3, and 13 are offered annually. Other courses are offered according to demand, usually in alternate years.

### MAJOR REQUIREMENTS

Physics 2, Physics 13, and at least 4 other semesters of advanced work in Physics, and Physics 20.

Mathematics 3a, and three semesters among courses in chemistry, engineering, astronomy, or additional mathematics.

History of physics (collateral reading).

A written comprehensive examination in two parts: (a) on general physics and history; (b) on advanced courses. In addition, an oral examination is expected of candidates for honors. The granting of Honors in Physics is based upon excellence (an average of 85 or better) in course work, particularly in Physics 13, and evidence of accomplishment beyond the usual course requirements.

Students who desire to combine a major in Physics with advanced work in some other related department may do so by special arrangement between the two departments concerned. In such cases, a program is mapped out with some modification of the requirements normally expected of a Major in a single department.

**1. PHYSICAL SCIENCE 1.**

(See General courses, page 72.)

**2. GENERAL PHYSICS—Four hours. Three class periods and one laboratory period a week. Mr. Sutton.**

This is the basic course for work in physics, engineering, chemistry or other sciences. Mechanics, sound, heat, electricity, and light are studied with the help of problems, laboratory experiments, lecture demonstrations, and discussion. This course is commonly taken in the Sophomore year, but qualified Freshmen are admitted. Algebra and trigonometry are essential. Freshmen must offer four years of high school mathematics and a year of high school physics or chemistry, and should take Mathematics 1 concurrently. Sophomores who have passed Mathematics 1 or Physical Science 1, or both, will be admitted. Text: Mendenhall, Eve, Keys, and Sutton, *College Physics*. Year course.

Offered annually.

**3. ATOMIC PHYSICS—Three class periods a week and occasional laboratory periods. Mr. Sutton.**

A course of lectures, class experiments, discussion, and outside readings on atoms, electrons, neutrons, ionization, photoelectricity, x-rays, radioactivity, atomic and nuclear structure, cosmic radiation, and an introduction to quantum mechanics. This course emphasizes the experimental rather than the more theoretical aspects of modern physics. Prerequisite: *Physics 2*, or *special permission of the instructor*. Year course.

Offered annually.

**7a. ELECTRICITY AND MAGNETISM—Four hours. Three class periods and one laboratory period a week. Mr. Benham.**

A course of lectures, readings, and laboratory experiments designed to familiarize the student with precision electrical measurements, Kirchhoff's laws, Gauss's theorem, magnetic circuits, potential, capacitance, inductance, alternating current, and the laws of the electro-magnetic field. This course and Physics 8b are complementary, but a student may elect either half. Text: Page and Adams, *Principles of Electricity*. Prerequisite: *Physics 2* and *Mathematics 2*; *Mathematics 3a* should be taken previously or concurrently. Semester course.

Offered in 1947-48 and alternate years.

**8b. PRINCIPLES OF RADIO—Four hours. Three class periods and one laboratory period a week. Mr. Benham.**

A lecture and laboratory course on the fundamental concepts involved in the circuits and equipment employed in radio communications and electronics. This course and Physics 7a are complementary, but a student may elect either half. Text: Terman, *Radio Engineering*. Prerequisite: *Physics 2*, *Mathematics 2*, and preferably *Physics 7a*.

Offered in 1947-48 and alternate years.

**9a. MECHANICS—Three class periods a week. Mr. Benham.**

Analytical mechanics, treating the statics, kinematics, and dynamics of particles and rigid bodies. Lectures and problems on the application of calculus and

vector methods to mechanical systems, including a brief treatment of Lagrange's equations and the special theory of relativity. This course and Physics 10b are complementary, but a student may elect either half. Text: Sygne and Griffith, *Principles of Mechanics*. Prerequisite: *Physics 2* and *Mathematics 3a* (or *Mathematics 3a* may be taken concurrently); Junior or Senior standing. Semester course.

Offered in 1947-48 and alternate years.

**10b. INTRODUCTION TO MATHEMATICAL PHYSICS—Three class periods a week.** Mr. Benham.

Lectures and problems on selected topics in mathematical physics, such as hydrodynamics, thermodynamics, kinetic theory, wave motion, theory of electric fields, etc. Text: Page, *Introduction to Theoretical Physics*. This course and Physics 9a are complementary courses affording one full year in theoretical physics, but a student may elect either half. Prerequisite: *Physics 2* and *Mathematics 3a* (or *Mathematics 3a* may be taken concurrently). Junior or Senior standing. Semester course.

Offered in 1947-48 and alternate years.

**11a. OPTICS AND PHOTOGRAPHY—Three class periods a week and occasional laboratory periods.** Mr. Sutton.

A study of the principles of physical optics followed by a systematic study of the photographic process. Laboratory work includes both measurements in optics and photographic dark-room manipulations. Text: Mack and Martin, *The Photographic Process*. Prerequisite: *Physical Science 1* or *Physics 2*.

Not offered in 1947-48.

**12b. SOUND—Three class periods a week and occasional laboratory periods.** Mr. Benham or Mr. Pepinsky.

A course of lectures, readings, and class experiments designed to familiarize the student with recent developments in acoustics. Study is given to the fundamentals of sound-wave propagation, modern electrical and mechanical acoustic systems, architectural acoustics, supersonics, speech and hearing, and the analysis of musical sound. Prerequisite: *Physics 2* and *Mathematics 2*.

Not offered in 1947-48.

**13. PHYSICS SEMINAR—Three hours a week.** Mr. Sutton and Mr. Benham.

Individual work in selected fields of investigation. Each student pursues comprehensive reading and sustained experimental work on a problem. Weekly meetings are held with the members of the Department to discuss the progress in each field of investigation. Each student becomes familiar with problems other than his own and gains experience in presenting his own work. Year course. By permission, one semester only may be elected.

Offered annually.

**15a. ELECTRONICS—Four hours. Three class periods a week and one laboratory period.** Mr. Benham.

This course includes material introductory to electron theory, study and application of vacuum-tubes, and problems pertaining to design and analysis of typical circuits employing them. Laboratory experiments are designed to give the student experience in the handling of apparatus in which electronic tubes are used. Some industrial applications are studied. Prerequisite: *Physics 2*, and preferably *Physics 3*. Semester course.

Not offered in 1947-48.



## POLITICAL SCIENCE

Courses in Political Science are designed with three purposes: to provide an understanding of the philosophy behind and the evolution of political ideas; to study contemporary forms and processes of local, state, national, and international government; to provide training for students planning to enter public service, journalism, or the law.

### MAJOR REQUIREMENTS

Political Science 3a, 13b, 17a, 18b, and 20.

Any four other courses of one term each in Political Science.

Any four other courses of one term each in any of the social sciences.

A three-hour examination in political philosophy.

A four-hour examination in other courses taken in the Department of Political Science.

An oral examination may be substituted for either or both of the written examinations at the discretion of the Department.

1a. ELEMENTS OF POLITICAL SCIENCE—*Three periods a week.* Mr. Sollmann.

An introduction to Political Science.

Semester course.

Offered annually.

3a. AMERICAN FEDERAL GOVERNMENT—*Three periods a week.* Mr. Meade.

A study of the origin and structure of the American federal governmental system. Not open to Freshmen. Semester course.

Offered annually.

6a. AMERICAN CONSTITUTIONAL LAW—*Three periods a week.* Mr. Meade.

A study of the principles of constitutional interpretation and of the leading decisions of the Supreme Court. Prerequisite: *Political Science 1a and 3a.*

Semester course.

Offered annually.

7a. AMERICAN POLITICAL PARTIES—*Three periods a week.* Mr. Meade.

A study of political parties and pressure groups in the United States, including such topics as functional control, party organizations and platforms, conduct of elections, lobbies, legal controls over parties, and political machines. Prerequisite: *Political Science 1a and 3a.* Semester course.

Offered annually.

8a. PUBLIC FINANCE—*Three periods a week.* Mr. Herndon.

(Also called Economics 8a.)

A study of the general principles of public revenues, public expenditures, public indebtedness, fiscal administration, and of the principles of equity in the dis-



- tribution of tax burdens. Prerequisite: *Political Science 3a* or *Economics 1*. Semester course.  
Offered annually.
- 8b. **FEDERAL TAXATION**—*Three periods a week*. Mr. Herndon.  
A study of the principal aspects of taxation by the federal government with emphasis upon income and estate tax policies and problems, together with consideration of the leading constitutional law developments in this field. Prerequisite: *Political Science 3a* or *Economics 1*. Semester course.  
Offered annually.
- 9b. **INTERNATIONAL RELATIONS**—*Three periods a week*. Mr. Jacob.  
Prerequisite: *Political Science 1*; Sophomore standing. Semester course.  
Offered annually.
- 10b. **AMERICAN STATE AND LOCAL GOVERNMENT**—*Three periods a week*. Mr. Meade.  
A study of the structure and administration of state and local government with emphasis on the individual student's state and locality. Prerequisite: *Political Science 1a* and *3a*; Sophomore standing. Semester course.  
Offered annually.
- 11a. **GOVERNMENT AND BUSINESS**—Mr. Teaf.  
(See *Economics 11a*.)
- 13b. **AMERICAN FOREIGN POLICY**—*Three periods a week*. Mr. Sollmann.  
The evolution of American political thought and action on intergovernmental relations, particularly in the twentieth century. Prerequisite: *Political Science 1a*. Semester course.  
Offered annually.
- 14b. **INTERNATIONAL LAW AND ORGANIZATION**—*Three periods a week*. Mr. Meade.  
Designed to acquaint students with the existence, scope, and authority of international law, and the foundations, accomplishments, and progress of international organization. Prerequisite: *Political Science 1a*. Semester course.  
Offered annually.
- 15a. **CONTEMPORARY GOVERNMENT AND SOCIAL SYSTEMS**—*Three periods a week*. Mr. Sollmann.  
A study of the democratic and totalitarian systems, with particular reference to Nazi Germany, Soviet Russia, Great Britain, and the United States. Prerequisite: *Political Science 1a*; Junior standing. Semester course.  
Offered annually.
- 17a, 18b. **THE DEVELOPMENT OF POLITICAL THOUGHT**—Mr. Gray and Mr. Post.  
(See *Philosophy 17a, 18b*.)
- 19b. **CONTEMPORARY INTERNATIONAL POLICIES**—*Three periods a week*. Mr. Sollmann.  
The causes of conflicts between modern nations and the attempts at a solution by isolationist, imperialist, and regional means, and by worldwide cooperation. Prerequisite: *Political Science 1a*. Semester course.  
Offered annually.

**27b. PUBLIC OPINION AND PROPAGANDA—***Three periods a week.* Mr. Meade.

A study of the nature of public opinion with reference to forces moulding or changing it, and an analysis of propaganda techniques and application, with special attention to the influence of pressure groups on the democratic society. Open only to majors in Social Sciences and English. Semester course.

Offered annually.

## **PSYCHOLOGY**

The study of psychology has for its goal the understanding and prediction of human behavior.

Students who wish to major in Psychology are required to meet the Bryn Mawr College requirements for a Major and to take the Bryn Mawr comprehensive examination.

### **MAJOR REQUIREMENTS**

Psychology 1, 4 (or B.M. 201a), B.M. 202b, B.M. 203b, B.M. 204b, and either B.M. 301a and b, or B.M. 302a and 5a or 5b (or B.M. 302b), and 20.

Allied subjects: Anthropology (B.M.C.), Biology, Mathematics, Philosophy, Physics and Sociology.

### **COMPREHENSIVE EXAMINATION**

The Comprehensive Examination for students majoring in Psychology is in three parts:

1. General Psychology covering the first two years (required of all students).
2. An examination in *one* of the following fields of psychological study:  
(a) Abnormal Psychology; (b) Comparative Psychology; (c) Experimental Psychology; (d) Mental Tests and Measurements; (e) Social Psychology.
3. An examination in *one* of the following subjects:  
(a) a second field under Group 2; (b) a written report on the results of a special investigation in experimental psychology; (c) an examination in a field of psychology, not in Group 2, approved by the department.

**1. GENERAL PSYCHOLOGY—***Four hours. Three demonstration lectures and one laboratory period a week.* Mr. Pepinsky and Miss Zaretsky.

A systematic survey of the basic facts and principles in the various fields of psychology. Year course.

Offered annually.

**2b. ADVANCED PSYCHOLOGY—***Three periods a week.* Mr. Steere.

A study of the nature and functioning of personality by an examination of personality in difficulties. Both the forms of abnormal behavior and the modern theories of psychotherapy will be studied. Lectures, class reports, and occasional trips to clinics. Prerequisite: *Psychology 1* and consent of the instructor. Semester course. Limited to 12 students.

Offered in 1948-49 and in alternate years.

**3a, 3b. SPECIAL TOPICS IN PSYCHOLOGY**—*Two hours of seminar discussion and one laboratory period a week.* Mr. Pepinsky.

A seminar for special work in restricted fields of psychology. Elective for upper-classmen by consent of the instructor. This course may be repeated for credit if a new topic is studied. Prerequisite: *Psychology 1*. Semester course.

Offered in 1947-48 and in alternate years.

**4a or b, or (B.M. 201a). EXPERIMENTAL PSYCHOLOGY**—*Three lectures and one laboratory period a week.* Mr. Pepinsky or Mr. Helson.

A survey of the psychological processes (sensation, perception, attention) which have lent themselves most readily to experimental methods. Prerequisite: *Psychology 1*. Semester course.

Offered annually.

**5a or b, or (B.M. 302b). PSYCHOLOGY OF PERSONALITY**—*Three periods a week.* Mr. Pepinsky or Mrs. Caldwell.

The study of the problems of development and organization of personality. Semester course. Prerequisite: *B.M. 204b* and *B.M. 302a*.

Offered annually at Bryn Mawr; at Haverford in 1948-49 and alternate years.

**11a. PSYCHOLOGY IN MENTAL HYGIENE**—*Three periods a week and occasional visits to clinics conducted by Dr. Edward A. Strecker, Professor of Psychiatry, School of Medicine, University of Pennsylvania.* Mr. Pepinsky.

Consideration is given to the dynamics of behavior and adjustment; motivation and its modification by cultural and organic influences; forms of adjustive behavior, normal, neurotic, and psychotic; adjustments typical of different age levels; and adjustments influenced by counseling. Prerequisite: *Psychology 1*.

Semester course.

Offered 1947-48 and alternate years.

**B.M. 202b. MENTAL TESTS AND MEASUREMENTS**—*Three lectures and one laboratory period a week.* Mrs. Cox.

Construction, use, and interpretation of psychological tests. Semester course.

Offered annually.

**B.M. 203a. COMPARATIVE PSYCHOLOGY**—*Three periods a week.* Mrs. Caldwell.

A comparative study of the behavior of animals and men. Semester course.

Offered annually.

**B.M. 204b. SOCIAL PSYCHOLOGY**—*Three lectures and one laboratory period a week.* Mrs. Caldwell.

A study of the psychological determinants of social behavior. The laboratory offers training in the experimental investigation of group phenomena and in the measurement of attitudes, public opinion, etc. Semester course.

Offered annually.

**B.M. 301. ADVANCED EXPERIMENTAL PSYCHOLOGY—Mr. Helson.**

About six weeks are devoted to a consideration of psychophysical and statistical methods, after which the student's time is given to experimental work on a selected problem. Students must obtain the consent of the instructor before registering for this course. Year course.

Offered annually.

**B.M. 302a. CLINICAL AND EXPERIMENTAL PSYCHOPATHOLOGY—Mrs. Caldwell.**

The psychodynamics of abnormal behavior, clinical types, methods of investigation, and principles of psychotherapy; laboratory training in the experimental investigation of psychodynamic processes. The clinic is conducted by Dr. Edward A. Strecker (Refer to Psychology 11a descriptive matter).

In special cases, with the consent of the instructor, this course may be taken by those who have completed only Psychology 1. Semester course.

Offered annually.

**REMEDIAL READING—Mr. Pepinsky and Miss Zaretsky.**

Designed to help students having difficulty with their rate and comprehension in reading Telebinocular and ophthalmographic diagnosis is undertaken for each candidate; for corrective measures students are referred to appropriate professional agencies.

Practice in the use of the Harvard Remedial Reading films and Equated Transfer Readings. No credit.

## **ROMANCE LANGUAGES**

The introductory courses are primarily language courses designed to give a thorough knowledge of grammar and accuracy of pronunciation as a basis for reading, writing and conversation. The literature courses are devoted primarily to the history of the literature and to the intensive study of periods and authors. The courses in literature are open only to Juniors and Seniors and to especially well qualified Sophomores. Exceptional opportunities for developing oral facility in French and Spanish are afforded by residence in French House and Language House.

Admission of all new students to all French and Spanish courses, except French 1 and Spanish 1, is contingent upon placement examinations administered by the Department prior to the opening of such courses, on a date to be announced.

### **French**

Opportunity is given to students who complete French 1 or French 2 with distinction to advance rapidly into higher courses by passing a special examination in September on a prescribed program of vacation study and reading.



Students who have chosen French as their major subject and who have at the end of their Sophomore year demonstrated marked proficiency and a natural aptitude for the French language may be permitted to spend their Junior year in France according to the "Delaware Foreign Study Plan" upon the recommendation of the Department of French and the College. Only those students will be recommended who have a high average in their college work and are considered well qualified to represent the College.

### MAJOR REQUIREMENTS

Four full French courses, except French 1 or 2, and 20.

Modern European History.

Supporting courses selected from the Latin, German, Spanish, and English languages and literatures; History of Art; Philosophy—to be arranged in individual conference.

A written and oral comprehensive examination on the language, literature, and history of France.

1. **ELEMENTARY FRENCH**—*Three class periods a week.* Mr. Williamson.

Grammar, oral practice, and reading. Year course.

Offered annually.

2. **INTERMEDIATE FRENCH\***—*Four class periods a week.* Mr. Wylie and Mr. Williamson.

Grammar, oral practice, composition, and reading. Prerequisite: *French 1 or the equivalent.* Year course.

Offered annually.

3. **INTRODUCTION TO FRENCH CIVILIZATION**—*Three class periods a week.* Mr. Wylie.

Geographic, cultural, and historical background of French literature; lectures, grammar review, reading, discussion, written reports, and *explication de textes*. Prerequisite: *French 2 or the equivalent.* Year course.

Offered annually.

4. **ADVANCED TRAINING IN THE FRENCH LANGUAGE AND LITERARY STYLE**—*Three class periods a week.* Mr. Williamson.

Normal prerequisites are French 3 and a course in French literature, but exemption from the latter may be granted to well qualified students interested primarily in the language. Year course.

Not offered in 1947-48.

16a. **FRENCH LITERATURE THROUGH THE SIXTEENTH CENTURY**—*Three class periods a week.* Mr. Williamson.

Lectures with collateral reading and reports on the history of early French literature. Prerequisite: *French 3.* Semester course.

Not offered in 1947-48.

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\* Normally meets four hours a week. Three hours credit.



17b. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY—

*Three class periods a week.* Mr. Williamson.

Reading, reports, and discussion of the main currents of thought and the outstanding literary figures of the century. Prerequisite: *French 3*. Semester course. Not offered in 1947-48; to be offered 1948-49 and alternate years.

18a. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY—

*Three class periods a week.* Mr. Williamson.

Reading, reports, and discussion of the main currents of thought and the outstanding literary figures of the century. Prerequisite: *French 3*. Semester course. Not offered in 1947-48; to be offered 1948-49 and alternate years.

19a. ROMANTICISM AND REALISM—*Three class periods a week.* Mr. Wylie.

Reading, reports, and discussion of the main currents of thought and the outstanding literary figures from 1800 to 1860. Prerequisite: *French 3*. Semester course.

Offered in 1947-48 and alternate years.

19b. MODERN FRENCH LITERATURE—*Three class periods a week.* Mr. Wylie.

From Baudelaire to Aragon. Prerequisite: *French 3*. Semester course.

Offered in 1947-48 and alternate years.

## Spanish

The courses offered in Spanish are designed to give the student a thorough knowledge of the Spanish language, and of Spanish and Spanish-American thought and culture. *Elementary Spanish* and *Intermediate Spanish* are primarily language courses, with emphasis on grammar, reading, and conversation. Even in these elementary courses the approach corresponds to the liberal tradition of the College, placing emphasis on the human value of the language, and its importance in international and continental solidarity and understanding. The elementary courses are followed by a general course in Spanish Literature, as the basis for the more advanced courses covering special periods, works, and authors in Spanish and Spanish-American Literatures. Students who have chosen Spanish as their major subject are required to take supporting courses from the Latin, French, Italian, and English languages and literatures; from History of Art and Philosophy.

Exceptional opportunity for oral expression in Spanish is afforded by residence in the Spanish House. Haverford College is experimenting in a project, in Mexico, in which, in addition to formal instruction in Spanish, students will participate in service sponsored by the American Friends Service Committee. Students majoring in Spanish are advised to join this project, or a summer school in any of the Spanish speaking countries.

Admission of all new students to all Spanish courses, except Spanish 1, is contingent upon placement examinations administered by the Department prior to the opening of such courses, on a date to be announced.

### MAJOR REQUIREMENTS

Four full Spanish courses, not counting Spanish 1 or 2, and Spanish 20b.

History of Spain and Spanish America, as a background for literature.

Supporting courses to be arranged in individual conference with the Major Supervisor, selected from the Latin, French, and English languages and literatures; History of Art; Philosophy.

Written and oral comprehensive examinations.

1. ELEMENTARY SPANISH\*—*Five periods a week.* Mr. Asensio and Mrs. Asensio.

Grammar, with written and oral exercises; reading; thorough drill in conversation. Year course.

Offered annually.

2. INTERMEDIATE SPANISH—*Three periods a week.* Mr. Asensio and Mrs. Asensio.

Review of grammar, with written and oral exercises; composition, reading, and conversation. Year course.

Offered annually.

4. ADVANCED SPANISH—*Three periods a week.* Mr. Asensio.

Training in idiomatic Spanish; conversation and composition; collateral reading. Year course.

Not offered in 1947-48; to be offered 1948-49.

5. INTRODUCTION TO SPANISH LITERATURE—*Three periods a week.* Mr. Asensio.

A survey of Spanish literature from the beginnings to modern times: lectures; written and oral reports. Year course.

Offered annually.

7a. INTRODUCTION TO LATIN-AMERICAN LITERATURE—*Three periods a week.* Mr. Asensio.

A survey of Latin-American literature from the Colonial period to modern times: lectures; written and oral reports. Semester course.

Offered in 1947-48 and alternate years.

8b. SPANISH LITERATURE OF THE GOLDEN AGE—*Three periods a week.* Mr. Asensio.

Cervantes, Lope de Vega, Tirso de Molina, Calderón: lectures; written and oral reports. Semester course.

Offered in 1947-48 and alternate years.

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\* This course meets five hours a week, with corresponding reduction in outside preparation; three hours credit.

9a, 10b. SPECIAL TOPICS IN SPANISH LITERATURE—*Three periods a week.* Mr. Asensio.

Reading and lectures; written and oral reports. This course may be repeated, with change of content, for full credit. Semester course.

Offered annually.

## RUSSIAN

1. ELEMENTARY RUSSIAN\*—*Five periods a week.* Miss deGraaff.

Russian grammar, conversation and reading. Year course.

Offered annually.

2. INTERMEDIATE RUSSIAN\*—*Five periods a week.* Miss deGraaff.

Grammar review, reading in Russian classics and contemporary material, conversation. Prerequisite: *Russian 1 or the equivalent.* Year course.

Offered annually.

## SOCIOLOGY

The courses in Sociology are designed primarily to help the student understand the web of social relationships in which he must function as a citizen in a democracy. As the "science of human relations," sociology aims to throw light on the relationship of the individual to the group; of group to group; and of groups to the larger community in which they function.

It is concerned not only with the evolution of various social institutions designed to meet human needs but also with their failures in meeting adequately these needs, contributing thereby to poverty, crime, problems of race relations, and the breakdown of family life.

The various courses in Sociology aim specifically to provide the basis for an informed public opinion for social action; for leadership in community affairs; and for discharging the fundamental responsibilities of family life.

The introductory course presents a logical and comprehensive description of society and social behavior, sufficiently thorough to form a sound basis for the study of advanced courses in Sociology.

The advanced courses are also given as a part of a program of liberal education, but at the same time are designed to meet the needs of men who would understand the pressing social problems of today, whether preparing for professional training in journalism, social work, personnel or industrial relations work.

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\* These courses meet five hours a week, with corresponding reduction in outside preparation; 3 hours credit.

## MAJOR REQUIREMENTS

Six half-year courses in Sociology, and Sociology 20.

Six other half-year courses, or their equivalent, chosen in consultation with the Major Supervisor from the following: Biology 7, Psychology 1, Psychology 2b, Political Science 3a, Economics 1, and Mathematics 13a.

Additional selected readings covering a special field in sociology.

A four-hour comprehensive examination covering the field of sociology and related courses.

A three-hour examination, written or oral or both, covering a special field in Sociology chosen by the student.

### 1a. AN INTRODUCTION TO SOCIOLOGY—*Three periods a week.* Mr. Watson.

An introduction to the scientific study of society. Its purpose is to study (1) those social forces and social processes whereby original nature is transformed into human nature, and (2) a description of the social organization man has evolved and the interaction between it and himself. Semester course. Not open to Freshmen.

Offered annually.

### 2b. CRIMINOLOGY—*Three periods a week.* Mr. Watson.

Social origins of crime and criminals; costs to the community and society; apprehension and rehabilitation of offenders; police organization; the courts in operation; penology, including the probation and parole systems. Trips to penal institutions and the criminal courts will be made. Prerequisite: *Sociology 1a*.

Offered in 1947-48 and alternate years.

### 5a. LABOR RELATIONS—*Three class periods a week.* Mr. Watson.

(Also called Economics 5a.)

A study of basic labor problems, such as wages, hours, and unemployment, together with an examination of the efforts of management, unions, and the government to find solutions through collective bargaining and labor legislation. Special emphasis is placed on methods of resolving industrial conflict. Prerequisite: *Economics 1* and *Sociology 1a*. Limited to twenty-five students. Semester course.

Offered annually.

### 6b. MANAGEMENT AND INDUSTRIAL RELATIONS—*Three periods a week.* Mr. Watson.

(Also called Economics 6b.)

A study of business administration and organization, and the philosophy of management, with special reference to the fields of personnel administration and industrial relations. The course surveys the movement for "scientific management." It includes an analysis of the nature, objects, and technique of labor management, employee representation, and union-management cooperation.

Prerequisite: *Sociology 5a* (Economics 5a).

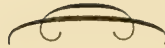


7a. SEMINAR IN SOCIAL SCIENCE RESEARCH—*Three hours a week.*  
Mr. Watson.

The seminar aims to acquaint the student with the general methods of research in the social sciences and their interrelations. Prerequisite: *One two-semester course or two one-semester courses in any of the social sciences.* Open to Social Science Majors only. Limited to twelve students. Semester course. Offered annually.

8b. PROBLEMS OF THE MODERN FAMILY—*Three hours a week.* Mr. Watson.

A seminar course on problems of the modern family and education for parenthood. A discussion of husband-wife, parent-child, and family-community relationships. The emphasis throughout is on factors making for normal family life and successful adjustment thereto. Restricted to a limited number of upperclassmen or graduate students. The consent of the instructor is required. Prerequisite: *Sociology 1a.*

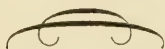




## Non-academic Instruction

The Faculty of Haverford College adopted in the spring of 1947 a program which involves a new departure in American education. This program is designed to cultivate aesthetic perception, creative control of materials, a love of fine workmanship, and other important areas of learning and of experience, such as community service, which have often been neglected in the liberal arts program. The Haverford Faculty feels that, though courses in these areas cannot properly be included in the academic curriculum, which is devoted to work of a somewhat different nature, they are of no less importance in the development of personality than strictly intellectual work. The College, therefore, offers a program of non-academic courses, which may be substituted in part for the required work in Physical Education, and which are open to all students on a voluntary basis. Among these courses it is hoped in the fall of 1948 to include at least the following: Dramatic Arts; Art Appreciation; Sketching and Painting; Music Appreciation; Public Speaking; Singing; Chamber Music; Carpentry and Machine Shop; Weekend Work Camps.

In its non-academic program, the College will insist on the same high quality of teaching which it demands in its curricular courses. A distinction between the two types of work is needed not because one is thought to be less important than the other, but because in the opinion of the Faculty the two kinds of work are different and should not be equated.



## Extra-Curricular Activities

### STUDENT GOVERNMENT

The College Administration has delegated to the Students' Association the responsibility for nearly all aspects of student conduct on the campus; and the Students' Association has assumed this responsibility. Student Government is exercised through an elected Students' Council, on which are representatives of all the classes and of some of the undergraduate organizations.

The students at Haverford College believe that the success of self-government depends upon the individual's realization and acceptance of his social responsibilities. This concept forms the basis of the Haverford Honor System, which is a compact entered into by all members of the Students' Association. The Honor System is designed to maintain certain standards which represent the opinion of the Students' Association on what is desirable conduct on the campus. It applies to the conduct of examinations, the preparation of papers outside of class, to the rules governing the presence of women in the dormitories, and to some other aspects of college life. The Honor System is administered by the Students' Council with the active co-operation of all members of the Students' Association.

The Students' Council is an administrative and judicial body. It handles all phases of the administration of regulations for the Students' Association. It manages extra-curricular activities on the campus and allocates to each a percentage of the Student Activities Fee (\$15 per year, charged to every undergraduate as a part of the Unit Fee) on the basis of a yearly budget. In intercollegiate relations it serves as the representative of the Haverford student body.

The chairmanship of the Students' Council is the most important undergraduate office. The Chairman represents the student body before the Board of Managers, the College Administration, and the Faculty. He serves both as liaison officer and executive. He conveys to the College Administration the recommendations of the Students' Council in disciplinary matters.

The Honor Pledge, which is quoted below, is called to the attention of each applicant for admission to Haverford College. It is signed upon entrance, and is signed again whenever the student takes an examination, though its force is not limited to examinations only. In signing the pledge the individual student accepts the Honor System in its

entirety, as currently in force and as it may be changed while he is an undergraduate at Haverford. Every entering student should make sure, before selecting Haverford, that he can give his active support to the Honor System. He should realize that its success, which is of great importance to him personally and to the whole student body, and indeed to the College itself, depends upon his willingness to give it his complete support.

#### HONOR PLEDGE

"I hereby accept the Haverford College Honor System, realizing that it is my responsibility to safeguard, uphold, and preserve each part of the Honor System and the attitude of personal and collective honor upon which it is based."

THE STUDENTS' ASSOCIATION is made up of all undergraduates in good standing at Haverford College. It is the body for student self-government. The Students' Council is elected from among the members of the Students' Association, and carries most of the burden of leadership in the undergraduate body. In addition, the Students' Council annually appoints deputies, so that it will have representatives in every dormitory.

#### SOCIETIES AND ORGANIZATIONS

THE COUNCIL FOR STUDENT ACTION is an organization of men interested in political affairs. It includes several subsidiary groups, such as the following: International Relations Club, United World Federalists, Political Action Committee, Students' League for Industrial Democracy, and United Nations Student Council. The CSA conducts an Open Forum for the discussion of political matters of general interest.

THE INTER-FAITH ORGANIZATION is a group of men interested in religious matters. It conducts services on a non-sectarian basis, discussion groups, and undertakes social work in the community.

THE W. W. COMFORT DEBATING SOCIETY elects to membership men who have shown a consistent interest in debating, and who have represented the College on more than one occasion. Every year, a series of intercollegiate debates is conducted.

THE CAP AND BELLS CLUB includes the dramatic society, which presents four plays a year, usually in conjunction with the dramatic society of Bryn Mawr College, the Glee Club, the orchestra, and the band. The undergraduate president of Cap and Bells is an ex-officio member of the Students' Council.

THE RADIO CLUB operates the college radio station, WHRC, which is affiliated with the Intercollegiate Broadcasting System. Members of the club arrange programs, operate the station, and build or buy necessary equipment. The studios are located in the third floor of the Union Building.

THE VIC DANCE COMMITTEE runs victrola dances on announced dates, usually on Saturday evenings. Its members are appointed by the Students' Council.

THE FILM CLUB arranges for and presents interesting films, sometimes from the archives of the Museum of Modern Art, and sometimes in foreign languages.

DEPARTMENTAL CLUBS. There are at Haverford various departmental groups, which arrange for outside speakers, and often for discussion groups. Among these are the French Club, German Club, Spanish Club, Mathematics Club, Biology Club, and Chemistry Club. Some of these clubs occasionally sponsor social gatherings.

### JOINT FACULTY AND STUDENT GROUPS

THE COMMITTEE ON STUDENT AFFAIRS is a joint committee made up of members of the Faculty and undergraduates. It is charged with supervising the arrangements for social affairs on campus, and with reviewing the budgets of various recognized student organizations.

THE CAMPUS CLUB is an association of graduates, faculty members, and undergraduates who are interested in maintaining and increasing the beauty of the college campus.

### STUDENT PUBLICATIONS

THE HAVERFORD NEWS is a weekly newspaper, sent to all undergraduates and to all members of the alumni body. It is published on Wednesdays, during term-time, altogether by undergraduates, who are also responsible for the business management of the paper. Its editor is an ex-officio member of the Students' Council.

THE QUARTO, which began publication in the spring of 1947, is a literary magazine which issues two numbers during each semester.

THE HAVERFORD COLLEGE HANDBOOK is published each fall under the auspices of the Students' Council. It contains information particularly valuable to new students.

THE RECORD is published annually by the Senior class, with the support of the Students' Association. It includes a record of the year, with particular emphasis upon the activities of the graduating class.



## Health Program

Each student is given a thorough examination at the beginning of the Freshman year, and at other times as recommended by the College physician. Chest x-rays are included in these examinations.

Each student is entitled to unlimited dispensary service, at stated hours, and first-aid service at any time.

In case of illness, each student is entitled to two weeks of residence in the Morris Infirmary each semester, ordinary medicine, diagnostic laboratory work, any x-rays needed for diagnosis, and the service of College physician and resident nurse.

Students will be charged \$5.00 a day for residence in the infirmary after their first two weeks. Day students will be charged for board while in the infirmary.

Each student is also covered by a blanket accident policy which pays actual expenses resulting from any accident up to a limit of \$500 for each accident. The expenses covered include x-rays, medicine, surgical appliances, hospital bills, nursing care, physician's fee, surgeon's fee, and also dentist bills for repair or replacement of natural teeth as a result of an accident. The coverage is in force from 12:01 A. M. Standard Time three days before the date when registration of entering students begins until midnight three days after Commencement Day.

All of these services are covered by the Unit Fee which is paid by all students (see page 26).

The infirmary, presented by John T. Morris, '67, contains ten beds, a surgical room, an isolation ward for contagious diseases, its own kitchen, and accommodations for a physician and a nurse. Every provision has been made for medical and surgical treatment of all cases among students during the college year. The danger of infection through illness in the college dormitories is thus minimized.



## Library, Laboratories, and Other Academic Facilities

### THE LIBRARY

The Haverford College Library, located near the center of the campus, illustrates the steady growth of the College in facilities for study and research. The original building, constructed in 1860, now forms the north wing of the Library. To this first structure four successive additions have been made. The last two of these, a commodious Stack and a Treasure Room, were dedicated in April, 1941. The Mary Newlin Smith Memorial Garden adjoins the south side of the Library building.

The Haverford Library collection now contains about 180,000 volumes. Over four hundred literary and scientific periodicals are taken. Library endowments provide six thousand dollars yearly for the purchase of books. The Library is also a depository of government publications.

With the exception of certain rare books, all volumes in the Library are freely accessible to readers. Though designed especially for the use of officers and students of the College, the Library affords to others the privilege of consulting and, under certain restrictions, of withdrawing books. The Library is open on week days from 8:00 A. M. to 10:00 P. M., and on Sundays from 1:30 to 10:00 P. M. Special hours are arranged for vacation periods.

The Gummere-Morley Memorial Reading Room, decorated and equipped by the Class of 1892, provides a special reading and browsing room for Haverford students.

Rare books and special collections are kept in the Treasure Room, where both permanent and temporary exhibitions are held. The Treasure Room is open from 9 to 5 (Saturdays, 9 to 12).

#### *Special Collections*

The Quaker collection, containing both books and manuscripts, is probably the most complete in America. It forms a central repository for Friends' literature in this country, and makes Haverford a prime source for the study of the Society of Friends.

The William H. Jenks collection of Friends' tracts, mostly of the seventeenth century, numbers about fifteen hundred separately bound titles.

The Rufus M. Jones collection on Mysticism contains almost a thousand books and pamphlets from the fifteenth century to the present day.

The Tobias collection of the writings of Rufus M. Jones is practically complete. It consists of 168 separate volumes and 16 boxes of pamphlets and extracts.

The Charles Roberts autograph collection contains more than 20,000 items, embracing not only autograph letters of authors, statesmen, scientists, ecclesiastics, monarchs, and others, but also several series of valuable papers on religious and political history.

The Christopher Morley collection of autograph letters comprises about 200 letters and memoranda selected by Mr. Morley from his correspondence files. Over 100 authors are represented.

The Harris collection of ancient and oriental manuscripts contains over sixty Hebrew, Greek, Latin, Arabic, Syriac, and Ethiopian rolls and codices collected by J. Rendel Harris.

### *Cooperative Services*

Haverford maintains a cooperative arrangement with Bryn Mawr and Swarthmore whereby the facilities of the libraries of all three colleges are open to the faculty and students of each of the colleges.

*The Philadelphia Bibliographical Center and Union Library Catalog*, the largest cooperative catalog in America, enables users of the Haverford Library to locate books in over one hundred and fifty libraries of the Philadelphia region. The Haverford Library is also a member of *The Philadelphia Metropolitan Library Council*.

*The Library Associates* is an organization of graduates and friends of the College, devoted to increasing the usefulness of the Library. It serves to bring the facilities of the Library to a wider notice and to make them available to the whole Haverford community; to encourage the making of gifts to the Library; and to aid in the use of the Library for exhibition purposes. Enquiries should be addressed to The Librarian, Haverford College.

## SCIENTIFIC LABORATORIES

### *Astronomical Observatory*

The equipment of the William J. Strawbridge Memorial Observatory consists of three equatorially mounted telescopes; a 10-inch and two 4½-inch refractors, and a 6-inch reflector; a reflecting telescope with 8-inch mirror and altazimuth mounting; a meridian circle telescope of 3¾-inch aperture; a zenith telescope of 2¼-inch aperture; a spectro-helioscope; an astrographic mounting provided with two 4-inch Ross lenses and a 4-inch guiding telescope; two sidereal clocks; a chronograph by Bond; and other instruments. The astronomical library is housed in the Observatory.

### *Biology*

A gift from the Class of 1915 enables the Department of Biology to house and display the natural history collections of the College in Sharpless Hall.

An Arboretum, especially rich in coniferous trees, is maintained on the Campus.

The Campus contains a fairly wide variety of plant formations, a pond, and two running streams, so that a high percentage of the native flora and fauna may be observed and investigated on it.

### *Chemistry Laboratory*

The Lyman Beecher Hall chemistry laboratory is a three-story structure with working space in the various laboratories for about two hundred and fifty students. Separate laboratories are available for general chemistry and qualitative analysis, quantitative analysis, organic chemistry, qualitative organic analysis and organic synthesis, semimicro quantitative analysis, and physical chemistry, respectively. In addition, two rooms are devoted to the needs of research students. The building is furnished with water, gas, compressed air, and alternating current electricity, and is provided with an excellent system of forced draft ventilation. The apparatus equipment is ample for the undergraduate courses. Books and periodicals dealing with chemical subjects are housed in a comfortably furnished library on the first floor which is open to the students.

### *Engineering Laboratory*

The engineering courses are conducted in the Hilles Laboratory of Applied Science, a modern building containing classrooms, drawing rooms, a departmental library, mechanical, electrical and electronics laboratories.

Exceptional facilities for observing the practical side of the work are offered by the many manufacturing companies in and near Philadelphia, and frequent inspection trips are made.

### *Physics Laboratory*

The Department of Physics occupies two floors of Sharpless Hall where space is provided for lecture and classrooms, laboratories, dark rooms, shop, and rooms for individual work. Through the gift of William P. Philips, '02, and through other acquisitions, the department is equipped for advanced work in electronics and x-rays.

## ARCHEOLOGICAL COLLECTION

The late Professor Grant made a series of five field excavations at a site in Palestine, the archaeological yields of which are exhibited in the Beth Shemesh Museum, third floor of Sharpless Hall. These materials reveal the life of a typical Near East community in the many aspects of its development and interplay with other peoples over a span of 2000 years. Thus, the collections provide a laboratory for study of the cultural cross-currents which met in Palestine during one of the great formative periods of civilization.

## ART COLLECTION

A permanent art collection, including paintings and drawings by Homer, Inness, Pintorrichio, Sargent, Turner, and Whistler, is displayed in the Library.

Framed reproductions of outstanding paintings are available for loan to students at the beginning of each semester.

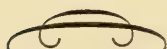
Temporary exhibitions of paintings, drawings, and photographs are held from time to time at the College.

## MUSIC COLLECTION

In addition to a considerable collection of musical scores and books in the general Library, the special equipment of the Music Department consists of a collection of phonograph records, scores, and books presented in 1933 by the Carnegie Corporation and amplified by yearly accessions to double its original size (ca. 1600 records), several pianos, and a Hammond organ.

The Alfred Percival Smith rooms in the Haverford Union are reserved for music study. There is a larger room with a Steinway Grand for the holding of classes and informal concerts organized by the Music Department, and a small library in which valuable books, scores and records are kept. A large collection of classical phonograph records is available to students in a special listening room in Founders Hall.

The large concerts are held in Roberts Hall where a concert piano is at the disposal of artists.





# Fellowships, Prizes, and Honors

## FELLOWSHIPS

THE CLEMENTINE COPE FELLOWSHIP was established in 1899. The income is applied to "assisting worthy and promising graduates of Haverford College in continuing their studies at Haverford or at some other institute, in this country or abroad, approved by the Board of Managers. Candidates shall be nominated by the College Faculty to the Board of Managers."

Applications for the Clementine Cope Fellowship must be in the hands of the President of the College before March 1, accompanied by whatever statement of extracurricular activities the candidate considers relevant. The Faculty will nominate to the Board of Managers a First and Second Cope Fellow whose stipends, not exceeding \$700.00 each, will be determined by the Board.

GRADUATE FELLOWSHIPS.—For information regarding graduate fellowships, see page 51.

## PRIZES

All material submitted in competition for prizes should be deposited with the Registrar, under assumed name, with a sealed envelope containing the writer's real name, before May 1.

All prizes awarded in books are marked with appropriate bookplates. As soon as possible after the award a list of standard books, from which selection is to be made, should be submitted for approval to the head of the department awarding the prize. Books selected from the approved list may then be ordered through the College Business Office. The College grants an average discount of ten per cent on prize books, and supplies the bookplates.

ALUMNI PRIZE FOR COMPOSITION AND ORATORY.—The Alumni Association, in the year 1875, established an annual prize of \$50 for excellence in composition and oratory. Competition is open to Freshmen and Sophomores, but the same man may not receive the prize twice.

**JOHN B. GARRETT PRIZES FOR SYSTEMATIC READING.**—A first prize of \$50 and a second prize of \$25 will be given at the end of the Junior or Senior year to the two students who, besides creditably pursuing their regular course of study, shall have carried on the most profitable program of reading in a comprehensive topic during at least two years of their college career.

The administration of these prizes is in the hands of the Committee on Fellowships and Prizes, with which the candidate shall register and which shall approve the subject chosen. The Committee will then recommend the candidate to the department or departments to which he should apply for counsel and guidance. A written or oral examination will be arranged in the final year to determine the scope and quality of the reading.

The winners will be determined by the Committee after consultation with the departments concerned. Either or both of these prizes may be omitted if, in the judgment of the Committee, the work does not justify an award.

**THE CLASS OF 1896 PRIZES IN LATIN AND MATHEMATICS.**—Two prizes of \$10 each, in books, to be known as "The Class of 1896 Prizes in Latin and Mathematics," were established by the bequest of Paul D. I. Maier of the Class of 1896. They are awarded at the end of the Sophomore year to the students who have done the best work for two years in the Departments concerned.

**THE LYMAN BEECHER HALL PRIZE IN CHEMISTRY.**—The Class of 1898, on the twenty-fifth anniversary of its graduation, established a prize in honor of Lyman Beecher Hall, Professor of Chemistry at Haverford College from 1880 to 1917.

This prize amounts to \$100 and may be awarded to a student who has attained a high degree of proficiency in Chemistry and who shows promise of contributing substantially to the advancement of the science. It may be awarded to a Junior, to a Senior, or to a graduate of Haverford College within three years after graduation. It may be awarded more than once to the same student, or it may be withheld.

**THE CLASS OF 1902 PRIZE IN LATIN.**—The Class of 1902 offers a prize of \$10 in books to the Freshman whose work in Latin, in recitation and examinations combined, shall be the most satisfactory. At the

discretion of the professor in charge of the Department, this prize may be omitted in any year.

**THE DEPARTMENT PRIZES IN MATHEMATICS.**—A first prize of \$15 and a second prize of \$10 are awarded on the basis of a three hour examination on selected topics in Freshman Mathematics. The examination is held on the first Monday after the Spring Recess, and is open to Freshmen only.

**THE ELLISTON P. MORRIS PRIZE.**—A prize of \$40, open to all undergraduates and to graduates of not more than three years' standing, is offered for the best essay bearing on the general problem of "International Peace and the Means of Securing It."

This prize is not awarded in 1947-48.

**THE ELIZABETH P. SMITH PRIZE.**—A prize of \$40 is offered annually to the undergraduate who presents the best essay on international peace.

No prize will be awarded unless a high standard of merit is attained. Essays should be deposited with the Registrar before May 1. The judges shall be appointed by the President of the College.

For the 1947-48 competition the following subjects are offered:

1. The bearing of current social ideals on international peace.
2. The veto problem in the United Nations and its relation to international peace.
3. The possible contribution of the International Trade Organization to international peace.
4. International peace as a problem in securing adequate representation of peoples in their governments.
5. International peace and the Marshall Plan.

**PRIZES IN PHILOSOPHY AND BIBLICAL LITERATURE.**—A prize of \$40 in books is offered each year to any student who, in the judgment of the professor in charge, does the most satisfactory outside reading in Philosophy in connection with the courses in that Department. A second prize of \$25 in books is also offered.

A prize of \$40 in books is offered each year to any student who, in the judgment of the professor in charge, does the most satisfactory reading on the Bible and related subjects. A second prize of \$25 in books is also offered.

**THE SCHOLARSHIP IMPROVEMENT PRIZES.**—A first prize of \$50 and a second prize of \$45 will be given at the end of the Senior year to the two students who, in the opinion of the judges appointed by the President of the College, show the most steady and marked improvement in scholarship during their college course.

**THE CLASS OF 1910 POETRY PRIZES.**—Two prizes of \$15 and \$10, respectively, are awarded for the best verse written by a Haverford undergraduate during the year. Typewritten manuscript, under an assumed name, should be deposited with the Registrar not later than May 1. The judges shall be appointed by the President of the College.

**THE FOUNDERS CLUB PRIZE.**—A prize of \$25 is offered and awarded by the Founders Club to the Freshman who is judged to have shown the best attitude toward college activities and scholastic work.

**THE S. P. LIPPINCOTT PRIZE IN HISTORY.**—A prize of \$100 is offered for competition in the Department of History under the following general provisions:

*First*—The prize may be withheld in any year, if the conditions listed below are not met by any of the competitors to the satisfaction of a majority of the judges.

*Second*—The prize shall not be awarded twice to the same student.

*Third*—Competition is open to Sophomores, Juniors, and Seniors who have taken or are taking work in the Department of History.

#### CONDITIONS

In competition for this prize an essay of not less than 5,000 words shall be submitted as evidence of scholarly ability in the collection and presentation of historical material, treating a subject selected from a list announced by the Department of History before November 15. The essay should contain references in footnotes to the authorities consulted and a bibliography of works cited.

The essay shall be typewritten and deposited, under an assumed name, with the Registrar before May 1.



For the 1947-48 competition the following subjects are offered:

1. The Development of the Foreign Policy of Franklin D. Roosevelt, 1935-1941.
2. Reconstruction in the South, 1865-1876.
3. The Public Career of Sir Robert Peel from 1822 to 1846.
4. The Foreign and Imperial Policies of Gladstone from 1880 to 1885.

**THE NEWTON PRIZE IN ENGLISH LITERATURE.**—The Newton Prize in English Literature (\$50) may be awarded annually on the basis of Final Honors in English, provided that the work of the leading candidate, in the judgment of the English Department, merits this award.

**THE WILLIAM ELLIS SCULL PRIZE.**—The William Ellis Scull Prize (\$50) will be awarded annually to the upperclassman who shall have shown the "greatest achievement in voice and the articulation of the English language."

**THE GEORGE PEIRCE PRIZE IN CHEMISTRY OR MATHEMATICS.**—In memory of Dr. George Peirce, 1903, a prize of \$50 is offered annually to a student of Chemistry or Mathematics "who has shown marked proficiency in either or both of these studies and who intends to follow a profession which calls for such preparation. Preference is to be given to a student who has elected organic chemistry, and failing such a student, to one who has elected Mathematics or some branch of Chemistry other than organic. Should there be two students of equal promise, the one who is proficient in Greek shall be given preference." The prize is offered, however, exclusively for students who have expressed the intention of engaging in research.

**THE SUGIMOTO PRIZE.**—The Sugimoto Prize of \$100.00 is offered in 1947 by Christopher Morley, '10, in honor of the distinguished Japanese author, Mrs. Etsu Sugimoto. It is open to undergraduate or graduate students of Haverford College, and may be awarded for work in any creative form: literary, graphic, plastic, musical, etc., "dealing with Japanese-American relations, past, present or to come." Material must be deposited with the Registrar, under assumed names, before Tuesday, November 11, 1947. The award shall be announced on Tuesday, December 9, 1947, at the first Collection after the anniversary of Pearl Harbor, but at the discretion of the Committee on Fellowships and Prizes, it may be withheld in the absence of sufficiently meritorious competition.



## HONOR SOCIETIES

**PHI BETA KAPPA.**—The Haverford College Chapter of the Phi Beta Kappa Society of America was chartered in 1898 as Zeta of Pennsylvania. Election of members-in-course, alumni members, and Honorary members, based upon scholarly attainment and distinction, takes place at the end of the academic year. *President:* Gaylord P. Harnwell, '24; *Secretary:* Legh W. Reid, Hon. '04.

**FOUNDERS CLUB.**—The Founders Club was established in 1914 as a Haverford organization of students, alumni, and faculty. Election to its membership is recognition of a sound academic record combined with noteworthy participation in extra-curricular activities. Undergraduate elections are usually limited to the Junior and Senior classes. *President:* John A. Zapp, '32; *Secretary:* George E. Ruff, '49.

## HONORS

Honors are awarded for excellence in the studies of single departments. They are never given merely for performance of routine work in courses; a considerable amount of extra work is demanded in every case.

Honors are of three kinds: *Honorable Mention*, *Preliminary Honors*, and *Final Honors*.

*Honorable Mention*\* will be awarded at the end of the Freshman or Sophomore years for work in a single course meeting at least two hours per week throughout the year, and additional work to the total amount of not less than 75 hours. Candidates for Honorable Mention must obtain a minimum grade of 85 in the regular work of the course and creditably pass an examination on the additional work required. Two courses of one term each in the same department may be construed as a single course.

A Freshman who has received the prescribed grade in the regular work of a course required for Honorable Mention, but who has not done the additional work required in connection with that course, may do so, with the consent of the professor in charge, during the Sophomore year.

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\* Honorable mention is awarded in Freshman English in connection with the work of English 2a or 2b.

*Preliminary Honors* will be awarded at the end of the Sophomore or Junior year for work in not less than four semester courses in a single department, and additional work to the total amount of not less than 150 hours. Candidates for Preliminary Honors must obtain a minimum average grade of 85 in the courses required for such honors (including a grade satisfactory to the Department in the courses taken in the Sophomore or Junior year), and must creditably pass examinations on the additional work required.

*Final Honors* are graded as Honors, High Honors, or Highest Honors. They will be awarded upon graduation only to students whose work in a Major field of concentration has been done with marked distinction and has been more profound or more extensive in its scope than the minimum required. The award of Honors is at the discretion of the Major Department, but the award of High or Highest Honors is to be made by vote of the Faculty upon recommendation of a department or group of related departments. In order to receive High or Highest Honors, the student will usually be given a public oral examination, and for Highest Honors the verdict of an outside examiner may be obtained if deemed desirable. The various departments and divisions will adopt such specifications for Final Honors as they see fit.

At the time of the award of Honors, one-half of one per cent for each award of Honorable Mention or Preliminary Honors shall be added to each recipient's general average for the year. Honors, High Honors, and Highest Honors shall automatically add one, two, and three per cent, respectively, to the average for the Senior year of each student receiving one of these awards.



## Degrees, Prizes, and Honors Granted in 1946-1947

### DEGREES

The following degrees were conferred on Commencement Day,  
June 7, 1947.

#### DOCTOR OF LAWS

CLARENCE EVAN PICKETT

#### DOCTOR OF SCIENCE

D. ROBERT YARNALL

#### MASTER OF ARTS

ROBERT LEWIS AGNEW (B.A., Wooster, 1946)

*Thesis:* "The Paraclete, Christ's Alternate on Earth."

RAGNAR AUSTAD (B.A., Haverford, 1946)

*Thesis:* "Longfellow and the Literature of Germany and Scandinavia: A Critical Bibliography."

ROBERT HERMAN BEHRENS (B.A., Haverford, 1946)

*Thesis:* "William Oliver Wolfe and Thomas Wolfe: A Study in Paternal Influence."

EDWIN BLAINE BRONNER (B.A., Whittier, 1941)

*Thesis:* "Thomas Earle as a Reformer."

BETTY KEITH FREYHOF (A.B., Wellesley, 1944)

*Thesis:* "UNRRA Displaced Persons Operation in Germany—A Phenomenon of International Organization."

GERHARD GUNTER FRIEDRICH (M.L.S., State Library School, Berlin, 1938)

*Thesis:* "A Re-examination of Poe's Theory of Prose Fiction."

THEOPHILUS JOHN HERTER (B.A., Haverford, 1945)

*Thesis:* "Anglican and Presbyterian Clergymen of Philadelphia and The American Revolution."

ROBERT WHITE HILL (B.A., Haverford, 1944)

*Thesis:* "The Treatment of the Businessman in American Literature."

FREDERIC CLAIBORNE SHORTER (A.B., Reed, 1944)

*Thesis:* "Co-operatives and Foreign Relief."

## BACHELORS OF ARTS

JAMES FOWLER ADAMS, JR., 1948	BEN ZION LEUCHTER, 1946
MONROE EDWARD ALENICK, 1948	INGE-ROLV LIND, 1947
ANDREW PREVOST ALLINSON, 1945	DONALD ADAIR MAGILL, 1944
TIMOTHY BREED ATKESON, 1948	PARKE DUNCAN MASSEY, 1940
WILLIAM PIERSON BARKER, II, 1948	CHARLES WILLIAM MATLACK, 1947
DAVID ERISMAN BASSERT, 1945	BRUCE MARTEN MILLER, 1948
CHARLES EMILE BEAULIEU, 1947	GERALD EUGENE MYERS, 1944
JULES BINGHAM, 1947	CLAUDE ALBERT NAMY, 1947
WILLIAM FRANCIS BOUZARTH, II, 1948	PAUL FREEDMAN NEWMAN, 1948
JOSEPH EPES BROWN, III, 1947	ALFRED MORGAN PEASE, JR., 1944
JOHN RICHARD CARY, 1945	DAVID ALEXANDER PETERS, 1948
PAUL MARKLEY COPE, JR., 1943	GEERT CALEB ERNST PRINS, 1945
ALAN MARVIN DAVIS, 1947	DALE BURDELL RIDE, 1947
PETER HERBERT DEITSCH, 1945	DERRICK PATRICK M. ROBINSON, 1944
ANTHONY JOHN DiPHILLIPO, 1947	RICHARD BRADLEY ROYER, 1945
ROBERT FAY DOANE, 1947	ROBERT MASTERS RUSSELL, 1943
GEO. VALENTINE DOWNING, JR., 1944	ALBERT THURSTON ST CLAIR, JR., 1945
JOHN SHERMAN ESTEY, 1947	ARNOLD CHASE SATTERTHWAIT, 1943
JOHN PHILIP FEIL, 1946	WILLIAM EDWARDS SHERPICK, 1946
BARTON KENNETH FEROE, 1945	CHARLES AGARD SHIELDS, 1945
MURRAY FOX FREEMAN, 1947	AUGUSTUS MASASHI TANAKA, 1945
MERRILL GOODMAN, 1946	HENRY EDWIN VINSINGER, JR., 1945
JOHN MORRISON HARRER, 1945	RICHARD WALKER WATKINS, 1944
WILLIAM HAMILTON HARRIS, 1948	DAVID RYDER WILSON, 1941
JOHN KRAFFT HENNE, 1947	DAVID ALLEN WINDER, 1943
GEO. MORRIS WHITESIDE HOOD, 1947	JOHN STANLEY WIRES, 1944
LEWIS MARSHALL JOHNSON, 1945	CALVIN LESSEY YOUNG, 1945
MORTIMER POWELL LAWTON, 1944	LLEWELLYN POWERS YOUNG, 1945

*As of June 8, 1946*

RAGNAR AUSTAD, 1947

*As of February 2, 1947*

GEORGE ELDRIDGE BAIR, 1944	ROBERT WILSON MURPHEY, 1944
ROBERT FRANCIS CLAYTON, JR., 1946	ARNOLD RAE POST, 1944
RICHARD TRUITT HAMILTON, 1945	SPENCER RAYMOND STUART, 1944
G. ARTHUR LEAMAN, 1947	DANIEL BARD THOMPSON, 1948
WILLIAM JOHN McILHENNY, 1947	CHRISTOPHER VAN HOLLEN, 1945

## BACHELORS OF SCIENCE

NORMAN SCATTERGOOD BROUS, 1942	PHILIP TINDEL LUKENS, 1944
JOHN ALLEN DYER, 1945	WARREN MOORE, JR., 1944
PAUL MACALLISTER HENKELS, II, 1946	WILLIAM PINCH, JR., 1945
GEORGE WAYNE JACOBS, JR., 1946	CHARLES RICHARD SHEPPARD, 1945
DANIEL HOBSON WAGNER, 1947	

## CLEMENTINE COPE FELLOWSHIP FOR 1947-1948

(For Graduate Study at Another Institution)

WILLIAM HAMILTON HARRIS, 1948

ARNOLD CHASE SATTERTHWAIT, 1943

## CORPORATION SCHOLARSHIPS FOR 1947-1948

(Awards Made on the Basis of Semesters Completed)

### 7-8 Semesters

JOHN TURNER WHITMAN

HENRY GERMAN HOOD, JR.

MARTIN JULIUS OPPENHEIMER

JOHN NORMAN HAUSER

WILLIAM RICHMOND CLARK

### 5-6 Semesters

JOHN NEIL BOGER

IRVING HOLLINGSHEAD, JR.

STEPHEN RABEN MILLER

SILAS JAY GINSBURG

ROLAND BOSWELL GRAHAM, JR.

### 3-4 Semesters

WILLIAM YOUNG RODEWALD

WARDER HENRY CADBURY

GEORGE NICHOLAS ACKER

CHARLES EDWARD GILBERT

### Entering Class

FLOYD FILMORE FORD, JR.

JOHN HERBERT DAVISON

DAVIS BARTON MCCARN

JACK LAWRENCE TREYNOR

## PRIZES

### *The Mathematics Department Prizes for Freshmen*

First Prize . . . . . WILLIAM HAMER WARNER, 1950

Second Prize . . . . . ROBERT ARTHUR PROSSER, 1949

### *The Alumni Prize for Composition and Oratory*

WALTER ISRAEL SELIGSOHN, 1947

*The William Ellis Scull Prize for the upper classman who shall have shown the  
"greatest achievement in voice and the articulation of  
the English Language"*

EDWARD ORAM SHAKESPEARE, 1949

*The Scholarship Improvement Prizes for the two Seniors who have shown the  
most steady and marked improvement in scholarship  
during the college course*

First Prize . . . . . ALBERT THURSTON ST CLAIR, JR., 1945

Second Prize . . . . . ROBERT WILSON MURPHEY, 1944



*The Class of 1910 Poetry Prizes for the best verse written by a  
Haverford undergraduate during the year*

First Prize . . . . . HENRY GEORGE RICKERMAN, 1949  
Second Prize . . . . . HERBERT BASIL CHEYETTE, 1950

*The Founders Club Prize for the Freshman who has shown the best attitude  
toward college activities and scholastic work*  
HORATIO CHARLES WOOD, 4TH, 1950

*The Lyman Beecher Hall Prize in Chemistry for Juniors, Seniors or Graduates  
within three years of graduation who expect to engage in research*  
GEORGE VALENTINE DOWNING, JR., 1944

*The George Peirce Memorial Prize in Chemistry or Mathematics offered  
exclusively for students who expect to engage in research*  
HENRY EDWIN VINSINGER, JR., 1945

*The Class of 1902 Prize in Latin for Freshmen*  
EDWIN LOUIS BROWN, 1950

*The Class of 1896 Prize in Latin and in Mathematics for Sophomores*  
JOHN NEIL BOGER, 1949

*The Newton Prize in English Literature on the basis of  
Final Honors in English*  
JAMES FOWLER ADAMS, JR., 1948

### HONOR SOCIETIES

The following students were elected to the

#### PHI BETA KAPPA SOCIETY

JAMES FOWLER ADAMS, JR., 1948	LEWIS MARSHALL JOHNSON, 1945
TIMOTHY BREED ATKESON, 1948	GERALD EUGENE MYERS, 1944
JOHN SHERMAN ESTEY, 1947	GEERT CALEB ERNST PRINS, 1945
WILLIAM HAMILTON HARRIS, 1948	ARNOLD CHASE SATTERTHWAIT, 1943
HENRY EDWIN VINSINGER, JR., 1945	

The following students were elected to the

#### FOUNDERS CLUB

1946

JAMES FOWLER ADAMS, JR., 1948	WILLIAM PIERSON BARKER, II, 1948
MONROE EDWARD ALENICK, 1948	JAMES ARCHIBALD JACOB, JR., 1948
TIMOTHY BREED ATKESON, 1948	DANIEL BARD THOMPSON, 1948
JOHN TURNER WHITMAN, 1948	

## 1947

LAWRENCE H. CANAN, JR., 1946	ROBERT PEARSON ROCHE, 1947
RICHARD ARDEN COUCH, 1949	GEORGE ELSON RUFF, JR., 1949
BARTON KENNETH FEROE, 1945	ALBERT THURSTON ST CLAIR, JR., 1945
CHARLES WILLIAM MATLACK, 1945	RICHARD EDWIN SPATZ, 1946
LLEWELLYN POWERS YOUNG, 1945	

The following students were elected to

### TAU KAPPA ALPHA

*National Honorary Debating Fraternity*

## 1945

TIMOTHY BREED ATKESON, 1948  
WILLIAM PIERSON BARKER, II, 1948

## 1946

BEN ZION LEUCHTER, 1946

## 1947

DONALD WILLIS DISBROW, 1949  
JAMES HANCOCK THORPE, 1949  
JOHN ROGERS WILCOX, 1949

## HONORS

### FINAL HONORS

Including Honors, High Honors, and Highest Honors awarded upon graduation, and by vote of the Faculty on recommendation of a department or group of related departments. Awarded only to students whose work has been more profound in a given field, or more extensive in scope than the minimum required, and who have fulfilled all the requirements for Final Honors in their respective Major Departments.

### HIGH HONORS

JAMES FOWLER ADAMS, JR., 1948 . . . . .	English
TIMOTHY BREED ATKESON, 1948 . . . . .	Government
MURRAY FOX FREEMAN, 1948 . . . . .	Mathematics
WILLIAM HAMILTON HARRIS, 1948 . . . . .	Chemistry
LEWIS MARSHALL JOHNSON, 1945 . . . . .	Government
PARKE DUNCAN MASSEY, 1940 . . . . .	Government
DANIEL BARD THOMPSON, 1948 . . . . .	Biblical Literature

## HONORS

JOHN RICHARD CARY, 1945 . . . . .	German
ROBERT FAY DOANE, 1947 . . . . .	Sociology
JOHN SHERMAN ESTEY, 1947 . . . . .	English
WARREN MOORE, JR., 1944 . . . . .	Engineering
GERALD EUGENE MYERS, 1944 . . . . .	Philosophy
ARNOLD CHASE SATTERTHWAIT, 1943 . . . . .	Greek

## PRELIMINARY HONORS

FREDERICK LEIGHTON BLAKE, 1947 . . . . .	Chemistry
IRVING HOLLINGSHEAD, JR., 1949 . . . . .	Mathematics
JAMES HANCOCK THORPE, 1949 . . . . .	Chemistry

## HONORABLE MENTION

In single courses in the Freshman or Sophomore year representing a minimum of 75 hours of Honors work in addition to that required for the course named, plus a grade of 85 or better in the same course.

JOHN NEIL BOGER, 1949 . . . . .	Mathematics 1
ANDREW BOYD, JR., 1950 . . . . .	German 2
DONALD WILLIS DISBROW, 1949 . . . . .	History 6
JAMES HENRY FOSTER, 1950 . . . . .	Biology 1
RICHARD MALCOLM GILMOUR, 1948 . . . . .	Mathematics 2
IRVING HOLLINGSHEAD, JR., 1949 . . . . .	Mathematics 1
WILLIAM STANLEY MALLORY LASH, 1949 . . . . .	Engineering 1a, 2b
JACOB ANDREWS LONGACRE, 1947 . . . . .	Sociology 1a
HAROLD VINCENT LYNCH, JR., 1946 . . . . .	English 2b
DONALD BECKWITH MARTIN, 1950 . . . . .	Chemistry 2a, 3b
JAMES QUINTER MILLER, 1949 . . . . .	English 2, German 2
STEPHEN RABEN MILLER, 1949 . . . . .	English 2
RICHARD NORMAN MYERS, 1950 . . . . .	German 2
GEORGE HANCOCK NOFER, II, 1948 . . . . .	Economics 1
WILLIAM YOUNG RODEWALD, 1950 . . . . .	German 3
JAMES HANCOCK THORPE, 1949 . . . . .	English 2, Mathematics 1
DAVID JOHN TOLAN, 1949 . . . . .	English 12a, 22a
EDWIN ELLSWORTH TUTTLE, 1948 . . . . .	Chemistry 2a, 3b
WILLIAM HAMER WARNER, 1950 . . . . .	Mathematics 1

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- Secretary-Treasurer* ..... ELLIOT W. BROWN, '21  
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Delaware Trust Co., Wilmington, Del.

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#### HAVERFORD SOCIETY OF SAN FRANCISCO

- Secretary* ..... RICHARD WISTAR, '28  
Mills College, Oakland, Cal.

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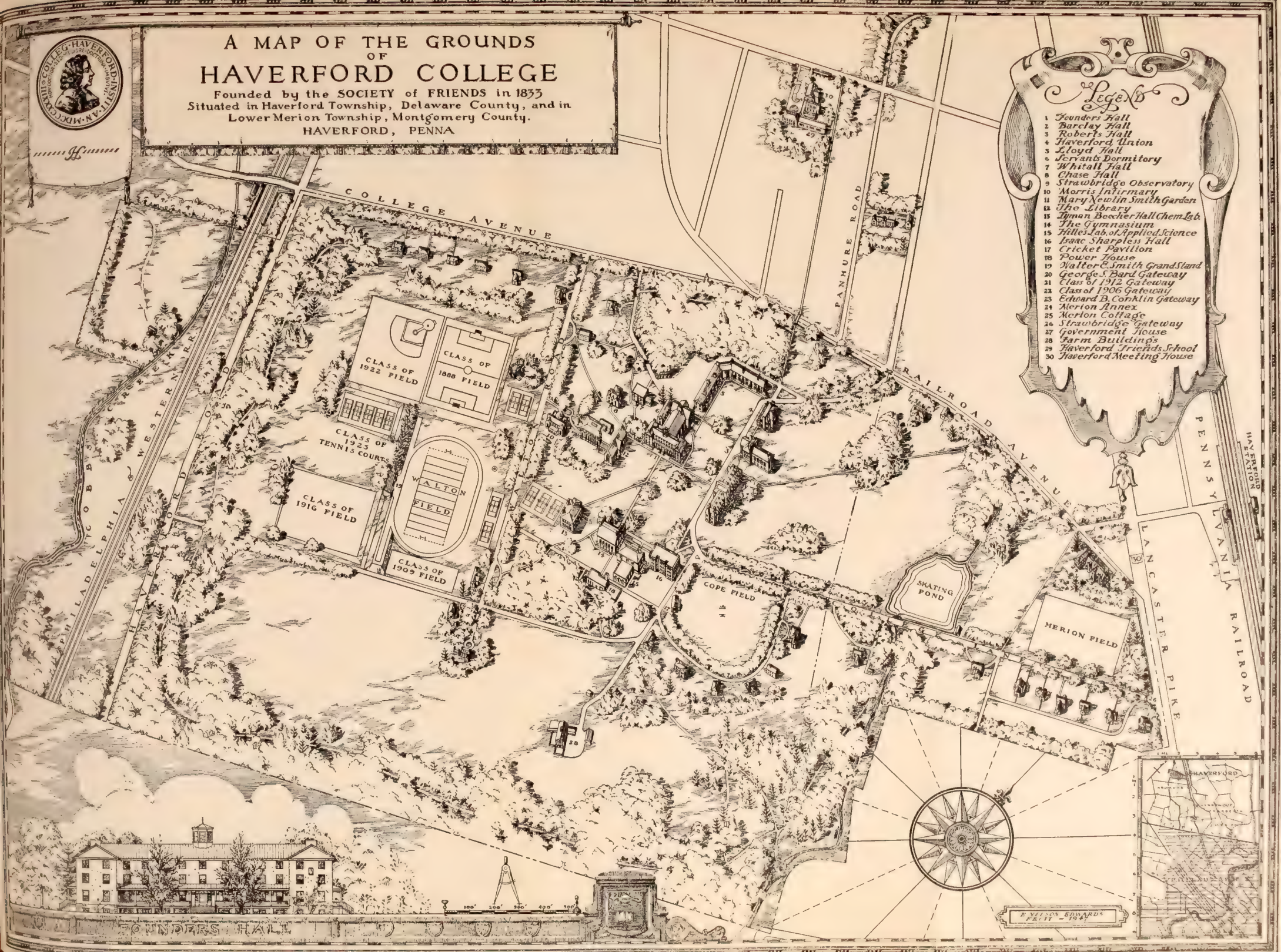




# A MAP OF THE GROUNDS OF HAVERFORD COLLEGE

Founded by the SOCIETY of FRIENDS in 1833  
Situated in Haverford Township, Delaware County, and in  
Lower Merion Township, Montgomery County.  
HAVERFORD, PENNA.

- ## Legend
- 1 Founders Hall
  - 2 Barclay Hall
  - 3 Roberts Hall
  - 4 Haverford Union
  - 5 Lloyd Hall
  - 6 Servants Dormitory
  - 7 Whitall Hall
  - 8 Chase Hall
  - 9 Strawbridge Observatory
  - 10 Morris Infirmary
  - 11 Mary Newlin Smith Garden
  - 12 The Library
  - 13 Lyman Beecher Hall Chem Lab
  - 14 The Gymnasium
  - 15 Hilles Lab of Applied Science
  - 16 Isaac Sharpless Hall
  - 17 Cricket Pavilion
  - 18 Power House
  - 19 Walter C. Smith Grand Stand
  - 20 George S. Bard Gateway
  - 21 Class of 1912 Gateway
  - 22 Class of 1906 Gateway
  - 23 Edward B. Conklin Gateway
  - 24 Merion Annex
  - 25 Merion Cottage
  - 26 Strawbridge Gateway
  - 27 Government House
  - 28 Farm Buildings
  - 29 Haverford Friends School
  - 30 Haverford Meeting House



FOUNDERS HALL

E. NELSON EDWARDS  
FEBRUARY - 1934

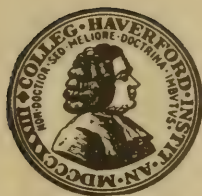








# HAVERFORD COLLEGE BULLETIN



REPORT OF  
TREASURER AND COMPTROLLER  
OF  
THE CORPORATION OF HAVERFORD COLLEGE  
FOR YEAR ENDING EIGHTH MONTH 31, 1947

VOLUME XLVI

NUMBER THREE

December 1947





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COLLEGE OFFSET PRESS  
148-150 N. SIXTH ST., PHILADELPHIA 6, PA.

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JOHN F. GUMMERE, *Secretary*.....W. School Lane & Fox St., Phila. 44  
J. HENRY SCATTERGOOD, *Treasurer*..... 1616 Walnut St., Phila. 3  
GILBERT F. WHITE, *President*  
*of the College*.....Haverford, Pa.

---

## MEMBERS OF THE STANDING NOMINATING COMMITTEE OF THE CORPORATION

### *Term Expires 1948*

HENRY C. EVANS.....635 Manatawna Ave., Phila. 28  
WILMOT R. JONES.....Alapocas Drive, Wilmington, Del.  
RICHARD M. SUTTON.....785 College Ave., Haverford, Pa.

### *Term Expires 1949*

WILLIAM M. MAIER..... Bailey Building, Phila. 7  
I. THOMAS STEERE.....375 W. Lancaster Ave., Haverford, Pa.  
PAUL W. BROWN.....Downingtown, Penna.

### *Term Expires 1950*

STANLEY R. YARNALL..... 5337 Knox Street, Phila. 44  
WILLIAM E. CADBURY.....225 South 15th St., Phila.  
HUBERT R. TAYLOR.....525 Ryers Ave., Cheltenham, Pa.

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### *Ex-officio as Officers of Corporation*

DR. S. EMLÉN STOKES, *President*.....Moorestown, N. J.  
J. HENRY SCATTERGOOD, *Treasurer*.....1616 Walnut St., Phila.3  
JOHN F. GUMMERE, *Secretary*.....W.School Lane & Fox St., Phila.44

### *Term Expires 1948*

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EDWARD W. EVANS.....304 Arch St., Phila.6  
WILLIAM A. BATTEY.....Liberty Trust Bldg., Phila.7  
DR. FREDERIC C. SHARTLESS.....Rosemont, Pa.  
ALFRED BUSSELLE.....220 E. 36th St., New York, N. Y.  
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WILLIAM B. BELL.....Rockefeller Plaza, New York, N. Y.  
WILMOT R. JONES.....Alapocas Drive, Wilmington, Del.

### *Term Expires 1949*

FREDERIC H. STRAWBRIDGE.....801 Market Street, Phila.7  
JONATHAN M. STEERE.....1318 Girard Trust Bldg., Phila.2  
L. HOLLINGSWORTH WOOD.....133 E. 40th St., New York, N. Y.  
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### *Term Expires 1950 <sup>1</sup>*

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<sup>1</sup> J. S. STOKES, died 9/26/1947

<sup>1</sup> F. R. TAYLOR, died 3/11/1947

### *Alumni Representatives*

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*Secretary of Board*  
W. NELSON WEST, III



STANDING COMMITTEES OF THE BOARD OF MANAGERS OF  
THE CORPORATION OF HAVERFORD COLLEGE

*The Chairman of the Board is an  
ex-officio member of all Committees.*

*Executive Committee*

S. EMLÉN STOKES, <i>Chairman</i>	THOMAS W. ELKINTON
J. STOGDELL STOKES, Died 9/26/47	W. NELSON WEST, III
MORRIS E. LEEDS	EDWARD W. EVANS
J. HENRY SCATTERGOOD	PAUL V. R. MILLER <sup>2</sup>
JOHNATHAN M. STEERE	WILMOT R. JONES
ALEXANDER C. WOOD, JR. <sup>2</sup>	JOHN F. GUMMERE
FREDERIC C. SHARPLESS	CHARLES S. RISTINE <sup>1</sup>

*Committee on Finance and Investments*

JONATHAN M. STEERE, <i>Chairman</i>	M. ALBERT LINTON
J. HENRY SCATTERGOOD	MORRIS E. LEEDS <sup>1</sup>
ALEXANDER C. WOOD, JR.	WILLIAM M. MAIER

CHARLES S. RISTINE<sup>2</sup>

*Committee on College Property and Farm*

WILLIAM A. BATTEY, <i>Chairman</i>	EDWARD W. WOOLMAN
FREDERIC H. STRAWBRIDGE	HENRY C. EVANS
THOMAS W. ELKINTON	PAUL V. I. MILLER <sup>1</sup>

JOHN A. SILVER

*Committee on Honorary Degrees*

HENRY M. THOMAS, *Chairman*

L. HOLLINGSWORTH WOOD	STANLEY R. YARNALL
WILLIAM WISTAR COMFORT	FRANCIS R. TAYLOR, Died 3/11/47
HAROLD EVANS	M. ALBERT LINTON

MORRIS E. LEEDS<sup>2</sup>

*Library Committee*

ALEXANDER C. WOOD, *Chairman*

WILLIAM WISTAR COMFORT	L. HOLLINGSWORTH WOOD <sup>1</sup>
HAROLD EVANS <sup>1</sup>	WILMOT R. JONES

*Counsel*

MacCOY, BRITTAIN, EVANS, AND LEWIS  
1632 Chestnut Street, Philadelphia

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<sup>1</sup>Term Expired: Tenth Month 1947

<sup>2</sup>Term Began: Tenth Month 1947

## OFFICERS OF ADMINISTRATION

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GILBERT F. WHITE  
*S.B., S.M., and Ph.D. University of Chicago*

MRS. ALICE LOUELLA BERRY  
Secretary to the President

ARCHIBALD MACINTOSH  
*A.B., Haverford College; M.A., Columbia University*  
Vice President and Director of Admission

GERTRUDE MANN WONSON  
*B.S., Simmons College*  
Admissions Office

GILBERT THOMAS HOAG  
*A.B., Haverford College; A.M. and Ph.D., Harvard University*  
Dean

ABRAHAM PEPINSKY  
*B.A. and M.A., University of Minn.*  
*Ph.M. and Ph.D., The State University of Iowa*  
Registrar

MRS. FLORENCE B. STULB  
Assistant Registrar

ALDO CASELLI  
*D.S.E. and C., University of Naples*  
Comptroller and Business Manager

DEAN PUTNAM LOCKWOOD  
*A.B., A.M., and Ph.D., Harvard University*  
Librarian

THOMAS EDWARD DRAKE  
*A.B., Stanford University; M.A., University of Michigan; Ph.D., Yale Univ.*  
Curator of the Quaker Collection

AMY LYDIA POST  
*A.B., EARLHAM COLLEGE*  
Assistant Librarian

HERBERT WILLIAM TAYLOR  
*A.B., Haverford College; M.D., University of Pennsylvania*  
Physician in Charge

MABEL SYLVIA BEARD  
*R.N., Lankenau Hospital*  
Resident Nurse

LOUIS CRAIG GREEN  
*A.B., A.M., and Ph.D., Princeton University*  
Director of the Strawbridge Memorial Observatory

SEATON SCHROEDER  
*B.S.C.E., University of Pennsylvania*  
Superintendent

MRS. ETHEL ELIZABETH BEATTY  
Dietician

BENNETT SMEDLEY COOPER  
*B.S., Haverford College*  
Alumni Secretary and Assistant to the President

SUMMARY OF THE ACCOUNTS OF  
THE CORPORATION OF HAVERFORD COLLEGE

J. HENRY SCATTERGOOD, TREASURER

ALDO CASELLI, COMPTROLLER

For the Year Ending Eighth Month 31, 1947

RECEIPTS

*Income from Funds for General Purposes*

General Endowment Fund.....	\$ 4,757.81
John Farnum Memorial Fund.....	1,434.20
John M. Whitall Fund.....	520.28
David Scull Fund.....	2,190.94
Edward L. Scull Fund.....	555.69
Wistar Morris Memorial Fund.....	251.54
Israel Franklin Whitall Fund.....	527.21
Jacob P. Jones Endowment Fund.....	63,634.31
John Farnum Brown Fund.....	13,490.87
Ellen Waln Fund.....	543.60
Clementine Cope Endowment Fund.....	1,050.99
Nathan Branson Hill Fund.....	108.75
Joseph E. Gillingham Fund.....	2,073.01
Henry Norris Fund.....	287.81
Elizabeth H. Farnum Fund.....	464.86
James R. Magee Fund.....	2,191.53
Albert K. Smiley Fund.....	73.35
Hinchman Astronomical Fund.....	1,932.22
W. D. and E. M. L. Scull Fund.....	8,535.60
Albin Garrett Memorial Fund.....	1,309.04
Arnold Chase Scattergood Memorial Fund.....	1,192.20
Francis B. Gummere Memorial Fund.....	6,140.06
Isaac Sharpless Memorial Fund.....	10,695.32
General Education Board Fund.....	5,164.87
William Penn Foundation.....	4,990.87
Walter Carrol Brinton Memorial Fund.....	690.72
Corporation Fund.....	3,912.31
Elizabeth J. Shortridge Fund.....	488.98
Howard Comfort Memorial Fund.....	245.82
Emma Ridgway Comly Fund.....	2,444.28
Ellen W. Longstreth Fund.....	5,203.78
Albert L. Baily Fund.....	244.49
Elizabeth B. Wistar Warner Fund.....	242.04
T. Allen Hilles Bequest.....	13,728.74
Leonard L. Greif & Roger L. Greif Fund.....	48.90
Edward M. Wistar Fund.....	122.24
Triangle Society Endowment Fund.....	25.37
Morris E. Leeds Fund.....	2,000.91
J. Henry Scattergood Fund.....	100.45

*Forward*..... \$164,615.96

Forward.....		\$164,615.96
<i>Income from Fund for T. Wistar Brown Graduate School</i>		
Moses Brown Fund.....		17,564.54
<i>Income from Funds for Morris Infirmary</i>		
Infirmary Endowment Fund.....	472.03	
John W. Pinkham Fund.....	<u>247.40</u>	719.43
<i>Income from Haverford Union</i>		
Haverford Union Fund.....		91.87
<i>Income from Funds for Scholarships</i>		
Thomas P. Cope Fund.....	257.10	
Edward Yarnall Fund.....	296.77	
Isaiah V. Williamson Fund.....	969.03	
Richard T. Jones Scholarship Fund.....	247.24	
Mary M. Johnson Scholarship Fund.....	342.95	
Sarah Marshall Scholarship Fund.....	387.26	
Clementine Cope Fellowship Fund.....	1,117.11	
Isaac Thorne Johnson Scholarship Fund.....	420.82	
Caspar Wistar Memorial Fund.....	144.31	
J. Kennedy Moorhouse Scholarship Fund.....	252.11	
Louis Jaquette Palmer Scholarship Fund.....	244.49	
Paul W. Newhall Memorial Scholarship Fund.....	246.72	
Robert Martin Zuckert Memorial Scholarship Fund...	954.75	
Samuel E. Hilles Scholarship Fund.....	245.34	
Class of 1913 Scholarship Fund.....	146.69	
Class of 1917 Scholarship Fund.....	223.96	
Daniel B. Smith Fund.....	253.74	
Sarah Tatum Hilles Memorial Scholarship Fund.....	3,833.23	
Elihu Grant Memorial Scholarship Fund.....	765.20	
Christian Febiger Scholarship Fund.....	405.98	
Joseph L. Markley Memorial Scholarship Fund.....	148.01	
Joseph C. & Anne N. Birdsall Scholarship Fund.....	<u>253.74</u>	12,156.55
<i>Income from Funds for Library</i>		
Alumni Library Fund.....	852.53	
Mary Farnum Brown Library Fund.....	3,317.27	
William H. Jenks Library Fund.....	244.49	
Mary Wistar Brown Williams Library Fund.....	992.95	
Anna Yarnall Fund.....	8,466.90	
F. B. Gummere Library Fund.....	31.07	
Edmund Morris Fergusson, Jr. Memorial Fund.....	49.01	
Class of 1888 Library Fund.....	321.79	
Class of 1918 Library Fund.....	61.29	
Quakeriana Fund.....	<u>20.30</u>	14,357.60
<i>Income from Funds for Old Style Pensions</i>		
President Sharpless Fund.....	2,016.40	
William P. Henszey Fund.....	1,797.42	
Jacob P. Jones Benefit Fund.....	3,330.61	
Pliny Earle Chase Memorial Fund.....	160.00	
Haverford College Pension Plan.....	<u>5,478.54</u>	12,782.97
Forward.....		\$222,288.92

Forward..... \$222,288.92

*Income from Funds for Special Purposes*

Thomas Shipley Fund.....	256.62	
Elliston P. Morris Fund.....	55.10	
John B. Garrett Reading Prize Fund.....	111.11	
Special Endowment Fund.....	451.18	
Scholarship Improvement Prize Fund.....	112.31	
Elizabeth P. Smith Fund.....	85.28	
S. P. Lippincott History Prize Fund.....	124.54	
Francis Stokes Fund.....	250.37	
George Peirce Prize Fund.....	122.88	
Lyman Beecher Hall Prize Fund.....	105.37	
Newton Prize Fund.....	68.35	
Edward B. Conklin Athletic Fund.....	117.35	
Arboretum Fund.....	224.33	
William Ellis Scull Prize Fund.....	97.80	
Paul D. I. Maier Fund.....	48.90	
Strawbridge Observatory Maintenance Fund.....	187.74	
Jacob & Eugenie Bucky Memorial Foundation.....	169.22	
Mathematics Department Prize Fund.....	56.78	
William T. Elkinton Fund.....	126.44	
Tilney Memorial Fund.....	253.74	
Class of 1902 Latin Prize Fund.....	<u>7.25</u>	<u>3,032.66</u>

Income from the Funds for the College..... 225,321.58

*Income from Special Trust*

August Taber Murray Research Scholarship Fund..... 1,111.96

Total Income from all the Funds..... 226,433.54

*Income from Funds, Principal of which  
has not yet been received*

Parker S. Williams Fund.....	3,000.00	
W. Percy Simpson Trust (In care of Provident Trust Company).....	<u>841.99</u>	<u>3,841.99</u>
		230,275.53

*Income from College Sources*

Tuition (201 Students at beginning of year 501 Students at closing date)			
Cash.....	222,934.41		
From Scholarship Funds.....	22,418.00		
From Donations.....	<u>4,234.90</u>	249,587.31	—
Board.....		139,387.09	
Rooms.....		55,513.33	
Re-examination fees.....		425.00	
Room and Board from Non-Students:			
Rents.....	3,930.00		
Rooms:			
Guests and Alumni and Faculty			
Faculty.....	610.17		
Employees.....	3,504.50		
Summer Conferences.....	<u>4,065.50</u>	<u>8,180.17</u>	
Forward.....	12,110.17	444,912.73	230,275.53



Forward.....	12,110.17	444,912.73	230,275.53
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*Income from College Sources (Continued)*

Room and Board from Non-Students (Continued)

Meals:

Guests and Faculty.....	4,823.62		
Employees.....	8,177.20		
Summer Conferences.....	10,096.30		
Day Students.....	<u>3,926.90</u>	<u>27,024.02</u>	39,134.19

Miscellaneous Collections:

Fees & Fines.....	230.24		
Book Store.....	1,093.89		
Diplomas.....	1,335.00		
Infirmary.....	600.90		
Transcripts.....	330.93		
Sale of Material.....	1,113.36		
Use of Land.....	586.00		
Admission to Athletic Games.....	2,401.08		
Picnics.....	300.00		
Sundry Minor Collections.....	196.49		
Overhead expense in connection with work done for outsiders.....	114.70		
Re-evaluation of Inventories.....	<u>5,180.50</u>	<u>13,483.09</u>	497,530.01

*Donations other than for Funds - General*

For Music Project - Edward H. Boles.....	250.00	
For Field House.....	19.60	
For Triangle Society Memorial Stands.....	2,842.00	
For Books - Library Associates.....	564.00	
Minor Library Donations.....	96.28	
Matzke Royalties.....	<u>39.60</u>	699.88
For Prizes - Alumni Association		
Oratorical Prize.....	50.00	
Sagimete Prize from Christopher Morley.....	<u>100.00</u>	150.00
For Scholarships:		
Refund of Student Account.....	9.69	
Scholarships from John J. Tunney.....	450.00	
Scholarships from Frank Murphy.....	1,000.00	
Scholarships from Student Council....	400.00	
Scholarship for Barraza.....	631.90	
Scholarship for S. Guldbranden.....	10.00	
Corporation Scholarships relinquished	<u>1,100.00</u>	3,601.59
For Salaries from Alumni Association.....	3,091.92	
Campus Club.....	322.50	
Care of Cope Field through A. G. Scattergood.....	50.00	
Physics Laboratory from G. Poley Company.....	25.00	
Radio Club - Interest Added.....	65.64	
For Barclay Hall after fire from T. W. Elkinton.....	500.00	
For Extraordinary Repairs from C. Sarwind.....	<u>20.00</u>	520.00
For SS "Haverford Victory" - Baltimore Alumni.....	70.00	
For James Norton's Book on Constitution.....	<u>273.50</u>	

Forward.....	11,981.63	727,805.54
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Forward.....	11,981.63	727,805.54
For General Budget from Prof. Reid.....	150.00	
Research Project for Prof. Ufford from Research Corp., New York.....	2,500.00	
Unspecified - Morris E. Leeds.....	10,000.00	
Class of 1928 Fund.....	1,064.00	
Class of 1934 Fund.....	30.00	
To be designated - From E. A. Sherpick.....	<u>200.00</u>	
	25,925.63	
For Alumni Sustaining Fund.....	<u>22,885.50</u>	48,811.13
<i>Donations for Additions to Funds</i>		
Class of 1917 Scholarship Fund Donated.	810.00	
Joseph L. Markley Memorial Scholarship Fund Donated (New).....	5,000.00	
Joseph C. and Anne N. Birdsall Scholar- ship Fund Donated (New).....	10,000.00	
Quakeriana Fund (New).....	<u>600.00</u>	16,410.00
<i>Additions to Funds - Income Transferred To Principal</i>		
Moses Brown Fund.....	1,756.45	
Isaac Thorne Johnson Scholarship Fund..	120.82	
Mary Farnum Brown Library Fund.....	20.89	
George Peirce Prize Fund.....	72.88	
Jacob & Eugenie Bucky Memorial Foundation.....	169.22	
Mathematics Department Prize Fund.....	<u>29.78</u>	<u>2,170.04</u>
		18,580.04
Total Additions to Funds.....		795,196.71
<i>Miscellaneous Receipts</i>		
Elizabeth P. Smith Fund (Income Refund Prize wrongly charged).....	50.00	
Strawbridge Observatory Fees Collected.....	37.50	
Interest Received.....	1,759.08	
Library Replacements Account - Fine, etc., Collected.....	619.09	
Skating Pond Receipts.....	99.50	
Taxes Withheld on Salaries.....	39,086.20	
Taxes Withheld on Pensions.....	2,280.43	
Advances Repaid.....	22.50	
In and Out Receipts.....	11.40	
Work in Progress Collections.....	3,042.16	
Store Account Receipts.....	15,554.73	
Students Affairs Account for Common Room - Student fees.....	273.97	
Book Store on Campus - Collections from Students...	13,924.97	
Accounts Receivable from Students - Collected.....	<u>494,491.53</u>	
Forward.....	571,253.06	795,196.71

Forward.....	571,253.06	795,196.71
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Miscellaneous Receipts (Continued)

Accounts Receivable from Students Special -		
Collected.....	27,267.86	
Accounts Receivable from Employees - Collected....	28,921.71	
Accounts Receivable from Government - Collected....	<u>139,148.19</u>	766,590.82

Items Relating to Other Fiscal Years

Advance Receipts for Following Year.....	1,449.37	
Room Rents Paid in Advance.....	6,085.00	
Expenses for following years - Applied.....	16,794.07	
Prepaid Insurance - Applied.....	7,658.97	
Accounts Payable - Applied.....	9,740.21	
Reserve for #2 College Lane Alterations - Applied..	511.87	
Reserve for Kitchen Alterations - Applied.....	2,501.04	
Reserve for Furnishings - Applied.....	2,450.20	
Reserve for New Boilers - Applied.....	3,564.48	
Reserve for Barclay Hall Reconstruction - Applied..	3,430.63	
Write-off Norwegian Scholarships not covered by		
Donations.....	2,099.40	
Write-off Shortage of Donations for SS		
"Haverford Victory".....	230.00	
Refund of Salaries Previous Year.....	<u>350.00</u>	56,865.24

Investments Realized

Consolidated Investments Account

Bonds - Government.....	102,781.25	
Industrial.....	2,875.18	
Public Utility...	128,140.00	
Railroads.....	<u>97,608.31</u>	331,404.74

Preferred Stocks -

Industrial.....	106,042.56	
Public Utility...	73,600.00	
Railroad.....	<u>3,151.63</u>	182,794.19

Common Stocks -

Industrial.....	192,455.73	
Public Utility...	53,324.18	
Railroad.....	13,345.82	
Miscellaneous....	<u>5,950.00</u>	265,075.73

Mortgages.....	58,179.33	
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Real Estate.....	113,316.35	
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Miscellaneous.....	<u>5,117.25</u>	955,887.59
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John Farnum Memorial Fund.....	8,144.27	
Ellen W. Longstreth - Mary Pearsall Agency a/c....	124.56	
Augustus Taber Murray Research Scholarship Fund...	4,000.00	
C. Wharton Stork Art Gift Fund - Dividend applied..	<u>1,500.00</u>	969,656.42

Money Borrowed Temporarily		248,000.00
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Balance 9th Month 1, 1946

In Treasurer's Account.....	89,043.66	
In President's Account.....	<u>13,134.29</u>	102,177.95
		<u>\$2,938,487.14</u>

# EXPENDITURES

1946-1947

## *Expenses of Running the College*

### Administration

Salaries.....	64,865.67	
Supplies & Postage.....	3,764.97	
Services.....	1,142.89	
Telegraph & Telephone.....	1,229.81	
Additional Equipment.....	1,283.28	
Insurance.....	332.23	
Traveling.....	898.82	
Public Relations.....	9,131.19	
Printing.....	4,001.67	
Entertainment.....	1,538.17	
Miscellaneous.....	<u>14.00</u>	88,202.70
(13.515%)		

### Educational Department

Salaries.....	251,017.73	
Supplies & Postage.....	10,929.56	
Services.....	2,504.15	
Telegraph & Telephone.....	1,336.58	
Additional Equipment.....	50.00	
Insurance.....	1,601.70	
Traveling.....	2,873.04	
Miscellaneous.....	<u>482.70</u>	270,795.46
(41.493%)		

### Maintenance and Operation

Wages.....	77,102.38	
Supplies & Postage.....	10,592.01	
Services.....	9,334.65	
Water, Heat, Light & Power.....	14,830.42	
Telegraph & Telephone.....	388.88	
Replacement & Repairs.....	2,639.03	
Additional Equipment.....	3,212.87	
Taxes.....	2,803.09	
Insurance.....	4,433.56	
Auto Maintenance & Operation.....	798.13	
Miscellaneous.....	<u>7,400.00</u>	133,535.02
(20.462%)		

### Kitchen

Salaries.....	33,579.63	
Supplies & Postage.....	109,557.47	
Services.....	1,835.56	
Water, Heat, Light, Power.....	12,247.56	
Telegraph & Telephone.....	236.02	
Replacement & Repairs.....	1,718.58	
Additional Equipment.....	703.42	
Insurance.....	<u>209.87</u>	160,088.11
(24.530%)		652,621.29

*Forward*..... 652,621.29

Forward.....			\$652,621.29	
Treasurer's and Secretary's Expenses				
Auditors.....	500.00			
Clerical Help and Rent (in part).....	3,900.00			
Stationery & Printing.....	87.12			
Machine Servicing.....	13.12			
Financial Publications.....	151.00			
Notary Fees.....	6.25			
Secretary's Typewriting and Expenses				
Board of Managers.....	581.04			
Corporation.....	106.50	687.54	5,345.03	
Old Style Pensions.....			24,912.32	
Annuity.....			1,600.00	
Interest.....			5,103.25	
Stork Art Gift - Shortage of Income to meet interest charge.....			583.08	
Final 1/6 cost of Language House Alterations.....			511.87	
Final 1/6 cost of Kitchen Alterations.....			2,501.04	
First 1/5 cost of Furnishings.....			2,450.20	
First 1/10 cost of New Boilers.....			3,564.48	
First 1/10 cost of Barclay Hall Reconstruction after fire.....			3,430.63	
Two Norwegian Scholarships not covered by donations...			2,099.40	
Shortage of Donations for SS "Haverford Victory".....			230.00	
Expense of Running the College.....				704,952.59
Expenditures from Income of Funds for Scholarships and Fellowships				
Jacob P. Jones Endowment Fund.....	4,800.00			
Moses Brown Fund.....				
Scholarships.....	4,800.00			
Printing Notices.....	18.00	4,818.00		
Thomas P. Cope Fund.....	250.00			
Edward Yarnall Fund.....	325.00			
Isaiah V. Williamson Fund.....	1,075.00			
Richard T. Jones Scholarship Fund.....	450.00			
Mary M. Johnson Scholarship Fund.....	350.00			
Sarah Marshall Scholarship Fund.....	700.00			
Isaac Thorne Johnson Scholarship Fund...	300.00			
Caspar Wistar Memorial Fund.....	200.00			
Louis Jaquette Palmer Scholarship Fund..	250.00			
Paul W. Newhall Memorial Fund.....	175.00			
Robert Martin Zuckert Memorial Scholarship Fund.....	850.00			
Samuel E. Hilles Scholarship Fund.....	250.00			
Class of 1913 Scholarship Fund.....	150.00			
Class of 1917 Scholarship Fund.....	200.00			
Daniel B. Smith Fund.....	500.00			
Sarah Tatum Hilles Memorial Scholarship Fund.....	5,643.00			
Elihu Grant Memorial Scholarship Fund...	1,150.00	22,436.00		
Clementine Cope Fellowship Fund				
1 scholarship - California Institute of Technology	350.00			
1 scholarship Harvard	700.00	1,050.00		
Expenditures from Income of Special Trust			23,486.00	
Augustus Tabor Murray Research Scholarship Fund...		980.00		
Forward.....		24,466.00	\$704,952.59	



Forward.....	24,466.00	\$704,952.59
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*Expenditures from Income of Funds for Library*

W. D. & E. M. L. Scull Fund - Books....	272.05	
Mary Farnum Brown Library Fund		
Books - General & Christian		
Knowledge.....	3,196.38	
Lecture.....	<u>100.00</u>	3,296.38
William H. Jenks Library Fund.....		726.99
Mary Wistar Brown Williams Library Fund		1,457.86
Anna Yarnall Fund - Books.....		668.03
F. B. Gunmere Library Fund.....		37.40
Edmund Morris Fergusson Jr.		
Memorial Fund.....	48.93	
Class of 1888 Library Fund.....	337.07	
Class of 1918 Library Fund.....	<u>62.97</u>	6,907.68

*Expenditures from Income for Special Purposes*

Thomas Shipley Fund.....	1,035.85	
Elliston P. Morris Fund.....	57.45	
Special Endowment Fund.....	399.65	
Scholarship Improvement Prize Fund....	95.00	
S. P. Lippincott History Prize Fund....	49.99	
Francis Stokes Fund.....	375.00	
George Peirce Prize Fund - Prize.....	50.00	
Lyman Beecher Hall Prize Fund.....	100.00	
Newton Prize Fund - Prize..	50.00	
Books..	<u>95.14</u>	145.14
Arboretum Fund.....	290.00	
William Ellis Scull Prize Fund - Prize.	50.00	
Paul D. I. Maier Fund - Prize.....	10.00	
Strawbridge Observatory Maintenance		
Fund.....	46.23	
Mathematic Department Prize Fund		
Prize.....	25.00	
Printing.....	<u>2.00</u>	27.00
William T. Elkinton Fund.....	100.00	
Class of 1902 Latin Prize Fund - Prize.	<u>10.00</u>	<u>2,841.31</u>
		34,214.99

*Spent from Donations*

For Music from Carnegie Foundation Gift.....	5,424.51	
For Field House - U. S. Bonds bought.....	74.00	
For Books - from E. Block's Gift.....	5.92	
from Carnegie Foundation		
gift.....	5.15	
from Library Associates		
Account.....	652.39	
from Minor Library		
Donations.....	55.77	
from Matzke Royalties.....	54.22	
from Orientalia.....	87.89	
from Quaker Book Fund.....	1.00	
from Postwar Planning.....	14.83	
Greek Books.....	<u>73.71</u>	950.88
For Prizes - Alumni Prize for Oratory..	50.00	
Poetry Prize Class of 1910	<u>25.00</u>	<u>75.00</u>
Forward.....	6,524.39	<u>739,167.58</u>

Forward.....	6,524.39	739,167.58
<i>Spent from Donations</i>		
For Scholarships -		
1. Szerlip applied.....	350.00	
2. Norwegian Scholarships applied...	2,078.00	
Student Council Gifts applied.....	400.00	
Barraza Gifts applied.....	631.90	
Corporation Scholarships - reawarded	<u>775.00</u>	4,234.90
For Salaries - from Alumni Association.....		3,091.92
For Campus Club.....		27.75
For Chemistry Laboratory.....	86.63	
For Chemistry Laboratory from Morris E. Leed's gift.....	<u>500.00</u>	586.63
For Electronic Equipment.....	2,000.00	
For Electronic Equipment from Morris R. Leed's gift.....	<u>500.00</u>	2,500.00
For Radio Club.....		40.00
For Psychology Department.....		10.00
For Barclay Hall repairs after fire...	500.00	
For Extraordinary repairs.....	<u>20.00</u>	520.00
For War Memorial Expense.....		190.00
For James Norton's Book.....		273.50
For Special Equipment from Government.....		343.82
For Comptrollers Office - From Morris E. Leeds Gift		1,207.84
For Microscopes for Biology" " " " "		5,397.42
For Class of 1934 Fund - U. S. Bonds bought.....		<u>37.00</u>
		24,985.17
<i>From Triangle Society Gift</i>		
For Share of Salary.....		2,750.00
<i>From Bucky Foundation Gift</i>		
For Share of Salary.....		400.00
<i>From Alumni Sustaining Fund</i>		
For Expenses of Alumni Association.....	<u>6,428.01</u>	
(Balance of \$16,457.49 used for College Current Expenses).....		
Total Spent from Donations.....		34,563.18
<i>Miscellaneous Expenditures</i>		
Library Replacements Account - Cost of Books.....	543.41	
Skating Pond Expenses.....	62.31	
Taxes Withheld paid to Government.....	38,155.70	
Taxes Withheld Pensions paid to Government.....	2,315.93	
In and Out Expenses.....	4,665.08	
Work in Progress - Charges.....	3,042.16	
Store Account Costs.....	<u>15,682.87</u>	
Forward.....	64,467.46	773,730.76

Forward.....	64,467.46	773,730.76
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# Miscellaneous Expenditures

Student Store Account - Equipment.....	453.45	
Loans made.....	1,000.00	
Student Affairs for Common Room - Expenses.....	442.38	
Surplus Property of Government - Share of Expense..	1,045.14	
Book Store on Campus - Expenses.....	14,865.38	
Accounts Receivable from Students - Charges.....	494,782.58	
Accounts Receivable from Students - Special - Charges.....	22,873.88	
Accounts Receivable from Employees - Charges.....	31,058.51	
Accounts Receivable from Government - Charges.....	140,134.22	
Cash over and short.....	<u>41.42</u>	771,164.42

# Items Relating to Other Fiscal Years

Advance Receipts for Following Years - Applied.....	2,930.07	
Rooms Paid in Advance - Applied.....	6,966.00	
Expenses for Following Years.....	34,164.84	
Prepaid Insurance.....	<u>5,160.28</u>	49,221.19

# New Construction and Furnishings

New Boilers Completed.....		22,981.95
Spent 1945-46.....	12,662.85	
1946-47.....	<u>22,981.95</u>	
Total Cost.....	\$ 35,644.80	
To be amortized over 10 years		
Barclay Hall Fire Renovation and Changes.....		43,497.47
Spent 1945-46.....	16,731.84	
1946-47.....	<u>43,997.47</u>	
Total Cost.....	60,729.31	
Less Insurance collected.....	<u>26,423.00</u>	
Cost.....	34,306.31	
To be amortized over 10 years		
Less Donation Received.....	<u>500.00</u>	
	33,806.31	
Furnishings (for larger Student Body).....		12,251.00
To be amortized over 5 years		
Extraordinary Repairs.....		87,150.16
Buildings.....	59,363.25	
Electrical.....	<u>44,112.18</u>	
	103,475.43	
Less Donation.....	<u>20.00</u>	
	103,455.43	
Spent 1945-46.....	16,305.27	
1946-47.....	<u>87,170.16</u>	
	103,475.43	
Less Donation.....	<u>20.00</u>	
Total to date.....	\$103,455.43	
now charged off to Debt of College.....		<u>165,880.58</u>
Forward.....		\$1,759,996.95

Forward.....\$1,759,996.95

*Investments Made or Donated*

Consolidated Investments Account

Bonds - Public Utility...	167,004.34	
Railroad.....	<u>108,585.04</u>	275,589.38
Preferred Stock -		
Industrial.....	199,943.33	
Railroad.....	35,963.02	
Public Utility...	<u>96,410.64</u>	332,316.99
Common Stock -		
Industrial.....	180,628.33	
Public Utility...	95,273.28	
Railroad.....	<u>2,668.52</u>	278,570.13
Mortgages.....	<u>54,100.00</u>	940,576.50
John Farnum Memorial Fund.....		16,197.82
Ellen W. Longstreth - Mary Pearsall Agency a/c.....		46.67
Augustus Taber Murray Research Scholarship Fund....	<u>6,884.03</u>	963,705.02
		<u>188,000.00</u>

*Borrowed Money Paid off*

(Loan at Bank outstanding \$60,000.)

*Income Transferred to Principal*

Moses Brown Fund.....	1,756.45	
Isaac Thorne Johnson Scholarship Fund.....	120.82	
Mary Farnum Brown Library Fund.....	20.89	
George Peirce Prize Fund.....	72.88	
Jacob & Eugenie Bucky Memorial Foundation.....	169.22	
Mathematics Department Prize Fund.....	<u>29.78</u>	2,110.04

*Balances 8th Month 31, 1947*

In Treasurer's Account.....	3,235.82	
In President's Account.....	<u>21,379.31</u>	<u>24,615.13</u>
		<u>\$2,938,487.14</u>

# OPERATING STATEMENT

For the Year Ending 8th Month 31, 1947

<i>Receipts at College applying to Budget.....</i>		497,530.01	
Less Tuition from Scholarship Funds....	22,418.00		
Less Tuition paid from Donations.....	<u>4,234.90</u>	<u>26,652.90</u>	
			470,877.11
<i>Income from Funds, applicable to Budget</i>			
<i>Budget General Fund</i>			
General Fund.....	193,207.97		
Scholarship Funds (as above).....	22,418.00		
Special Use of Thomas Shipley Fund			
Income for Salary.....	<u>800.00</u>	<u>216,425.97</u>	
From Estate of Parker S. Williams before receipt of Bequest.....	3,000.00		
From Trust of W. Percy Simpson before accounting of Principal.....	<u>841.99</u>	<u>3,841.99</u>	
<i>Donations applicable to Budget</i>			
For Scholarships (as above).....	4,234.90		
For General Purposes.....	150.00		
For Care of Cope Field.....	50.00		
From Alumni Sustaining Fund (net).....	<u>16,457.49</u>	<u>20,892.39</u>	
<i>Donations used directly for Salaries</i> (see Expenses opposite)			
From Alumni Sustaining Fund.....	3,091.92		
From Carnegie Foundation Gift for Music	2,500.00		
From Triangle Society Gift.....	2,750.00		
From Bucky Foundation Gift.....	<u>400.00</u>	<u>8,741.92</u>	
Interest Received.....		<u>1,759.08</u>	
Total Receipts.....			722,538.46
<i>Expense of Running the College</i>			
from foregoing statement.....		704,952.59	
Add for salaries paid, not included in statement, but paid directly from Fund			
Income and Donations as follows:			
(see receipts opposite)			
Special use of Thomas Shipley Fund....	800.00		
Donations applied for Salaries:			
Alumni Sustaining Fund.....	3,091.92		
Carnegie Foundation Gift for Music...	2,500.00		
Triangle Society Gift.....	2,750.00		
Bucky Foundation Gift.....	<u>400.00</u>	<u>9,541.92</u>	
Total Expenses.....			<u>714,494.51</u>
Operating Gain for the Fiscal Year.....			<u>\$ 8,043.95</u>



STATEMENT OF DEBT OF THE CORPORATION

8th Month 31, 1947

*DEBT OF THE CORPORATION*

Debt of the Corporation 9th Month 1, 1946..... \$ 19,292.13

Increased: -

By Extraordinary Repairs  
1945-1947 (to date)..... 103,455.43

Decreased: -

By Refunds applying to prior years.... 350.00  
By Operating Gain 1946-1947..... 8,043.95      8,393.95

Net Increase during the Year..... 95,061.48

Debt of the Corporation 8th Month 31, 1947..... \$114,353.61

# Lawrence E. Brown & Company

ESTABLISHED 1882

## Certified Public Accountants

PENNSYLVANIA

ADDISON R. BROWN

JOHN H. HAIRE

W. EDWIN DILL

ROBERT W. JOHNSTON

1917 FIDELITY-PHILADELPHIA TRUST BUILDING

PHILADELPHIA

October 15, 1947.

Board of Managers,  
The Corporation of Haverford College,  
Haverford, Pennsylvania.

Dear Sirs:

We have examined the statement of receipts and expenditures and the operating statement for the fiscal year ended 8th Month 31, 1947, and the statement of debt of the corporation as of said date as set forth in the annual report of the Treasurer and Comptroller of The Corporation of Haverford College.

Our examination comprised the verification of the receipts and expenditures of the Treasurer and Comptroller for the year; the reconciliation of the cash balance at 8th Month 31, 1947 with the balance on deposit in bank; and the examination of the securities held by the Provident Trust Company as fiscal agent for the Corporation.

In our opinion, the annual report of the Treasurer and Comptroller correctly sets forth the results of the operations of The Corporation of Haverford College for the fiscal year ended 8th Month 31, 1947, in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

Very truly yours,



Lawrence E. Brown & Company  
Certified Public Accountants

# REPORT ON THE FUNDS

## Principal

## Income

Funds for General Purposes	Principal			Income		
	Book Value Sept. 1, 1945	Increased	Decreased	Book Value August 31, 1947	Balance Sept. 1, 1945	Balance August 31, 1947
General Endowment Fund.....	93,753.86			93,753.86	4,757.81	4,757.81
John Farnum Memorial Fund.....	34,481.17			32,363.83	1,434.20	1,434.20
John M. Whittall Fund.....	10,252.18		2,117.34	10,252.18	520.28	520.28
David Scull Fund.....	43,173.04			43,173.04	2,190.94	2,190.94
Edward L. Scull Fund.....	10,950.03			10,950.03	555.69	555.69
Wistar Morris Memorial Fund.....	4,956.69			4,956.69	251.54	251.54
Israel Franklin Whittall Fund.....	10,388.86			10,388.86	527.21	527.21
Jacob P. Jones Endowment Fund.....	1,253,930.25			1,253,930.25	63,634.31	58,834.31
John Farnum Brown Memorial Fund.....	265,841.10			265,841.10	13,490.87	13,490.87
Ellen Waln Fund.....	10,711.80			10,711.80	543.60	543.60
Clementine Cope Endowment Fund.....	20,710.06			20,710.06	1,050.99	1,050.99
Nathan Branson Hill Fund.....	5,208.91			5,208.91	108.75	108.75
Joseph E. Gillingham Fund.....	40,849.10			40,849.10	2,073.01	2,073.01
Henry Norris Fund.....	5,671.42			5,671.42	287.81	287.81
Elizabeth H. Farnum Fund.....	9,160.24			9,160.24	464.86	464.86
James R. Magee Fund.....	43,184.70			43,184.70	2,191.53	2,191.53
Albert K. Smiley Fund.....	1,445.31			1,445.31	73.35	73.35
Hinchman Astronomical Fund.....	38,074.84			38,074.84	1,932.22	1,932.22
Wm. D. & E. M. L. Scull Fund.....	168,196.24			168,196.24	8,535.60	8,535.60
Albin Garrett Memorial Fund.....	25,795.00			25,795.00	1,309.04	1,309.04
Arnold Chase Scattergood Fund.....	23,492.69			23,492.69	1,192.20	1,192.20
Francis B. Gummers Memorial Fund.....	120,991.54			120,991.54	6,140.06	6,140.06
Isaac Sharpless Memorial Fund.....	210,754.11			210,754.11	10,695.32	10,695.32
General Education Fund.....	121,480.36			121,480.36	6,164.87	6,164.87
William Penn Foundation.....	98,346.29			98,346.29	4,990.87	4,990.87
Walter Carroll Brinton Memorial Fund.....	13,610.80			13,610.80	690.72	690.72
Corporation Fund.....	77,093.02			77,093.02	3,912.31	3,912.31
Elizabeth J. Storrbridge Fund.....	9,635.43			9,635.43	488.98	488.98
Howard Comfort Memorial Fund.....	4,844.02			4,844.02	245.82	245.82
Emma Ridgway Conly Fund.....	48,165.07			48,165.07	2,444.28	2,444.28
Ellen W. Longstreth Fund.....		77.89				
In Consolidated a.c.....	102,944.57			102,944.57	5,203.78	5,203.78
Mary Pearsall Agency a.c.....	588.48		541.81	46.67		
T. Allen Hilles Bequest.....	270,528.30			270,528.30	13,728.74	13,728.74
Leonard L. Greif, Jr. & Roger L. Greif Fund.....	963.54			963.54	48.90	48.90
Albert L. Bailly Fund.....	4,817.71			4,817.71	244.49	244.49
Elizabeth B. Wistar Warner Fund.....	4,769.54			4,769.54	242.04	242.04
Edward M. Wistar Fund.....	2,408.86			2,408.86	122.24	122.24
Triangle Society Endowment Fund.....	500.00			500.00	25.37	25.37
Morris E. Leeds Fund.....	39,428.52			39,428.52	2,000.91	2,000.91
J. Henry Scattergood Fund.....	1,979.41			1,979.41	100.45	100.45
Parker S. Williams Fund.....					3,000.00	3,000.00
W. Percy Simpson Trust.....					841.99	841.99
Forward.....	\$3,253,979.17	\$77.89	\$2,659.15	\$3,251,397.91	\$272.05	\$168,457.95
						\$5,072.05

# REPORT ON THE FUNDS (Continued)

	Principal			Income				Balance August 31, 1947
	Book Value Sept. 1, 1946	Increased	Decreased	Book Value August 31, 1947	Net Income	Expended	Special	
<i>Forward.....</i>	3,253,979.17	77.89	2,659.15	3,251,397.91	272.05	168,457.95	163,657.95	5,072.05
<u>Funds for Wistar Brown Graduate School</u>								
Moses Brown Fund.....	346,113.51	1,756.45		347,869.96		17,564.54	10,990.09	4,918.00 <sup>1</sup> 1,756.45 <sup>3</sup>
<u>Funds for Morris Infirmary</u>								
Infirmary Endowment Fund.....	9,301.50			9,301.50	472.03	472.03		
John W. Pinkham Fund.....	4,875.05			4,875.05	247.40	247.40		
	<u>14,176.55</u>			<u>14,176.55</u>				
<u>Funds for Haverford Union</u>								
Haverford Union Fund.....	1,810.33			1,810.33	91.87	91.87		
<u>Funds for Scholarships</u>								
Thomas P. Cope Fund.....	5,056.13			5,056.13	103.34	257.10	250.00 <sup>1</sup>	110.44
Edward Yarnall Fund.....	5,847.96			5,847.96	129.21	296.77	325.00 <sup>1</sup>	100.98
Isaiah V. Williamson Fund.....	19,094.90			19,094.90	552.98	969.03	1,075.00 <sup>1</sup>	447.01
Richard T. Jones Scholarship Fund.....	4,871.92			4,871.92	301.96	247.24	450.00 <sup>1</sup>	90.20
Mary M. Johnson Scholarship Fund.....	6,757.92			6,757.92	136.20	342.95	350.00 <sup>1</sup>	120.15
Sarah Marshall Scholarship Fund.....	7,631.02			7,631.02	458.88	387.26	700.00 <sup>1</sup>	146.14
Clementine Cope Fellowship Fund.....	22,012.96			22,012.96	1,117.11		1,300.00 <sup>1</sup>	3,034.50
Isaac Thorne Johnson Scholarship Fund.....	8,292.36	120.82		8,413.18	420.92		120.82 <sup>1</sup>	
Caspar Wistar Memorial Fund.....	2,843.61			2,843.61	123.02	144.31	200.00 <sup>1</sup>	67.33
J. Kennedy Moorehouse Scholarship Fund.....	4,967.88			4,967.88	96.33	252.11	250.00 <sup>1</sup>	348.44
Louis Jaquette Palmer Scholarship Fund.....	4,817.71			4,817.71	762.84	244.49	175.00 <sup>1</sup>	757.33
Paul W. Needham Memorial Scholarship Fund.....	4,861.65			4,861.65	19.06	246.72		90.78
Robert Martin Zuckert Memorial Scholarship Fund.....	18,813.65			18,813.65	442.85	954.75	850.00 <sup>1</sup>	547.50
Samuel E. Hillier Scholarship Fund.....	4,834.30			4,834.30	106.58	245.34	250.00 <sup>1</sup>	101.92
Class of 1912 Scholarship Fund.....	2,800.62			2,800.62	62.30	146.69	150.00 <sup>1</sup>	58.90
Class of 1913 Scholarship Fund.....	3,939.85	810.00		4,749.85	91.92	223.96	200.00 <sup>1</sup>	115.98
Daniel B. Smith Fund.....	5,000.00			5,000.00	390.29	253.74	500.00 <sup>1</sup>	144.03
Sarah Tatum Hillier Memorial Scholarship Fund.....	75,534.58			75,534.58	3,533.15	3,833.23	5,643.00 <sup>1</sup>	1,723.38
Clifton Grant Memorial Scholarship Fund.....	15,078.73			15,078.73	533.30	765.20	1,150.00 <sup>1</sup>	148.30
Christian Hebejer Scholarship Fund.....	8,000.00			8,000.00	61.63	405.98		467.61
Joseph C. & Anne N. Birkhall Scholarship Fund.....		10,000.00		10,000.00		253.74		253.74
Joseph L. Marley Memorial Scholarship Fund.....		5,000.00		5,000.00		148.01		148.01
	<u>231,157.84</u>			<u>247,088.56</u>				
<u>Augustus Taber Murray Research Scholarship Fund.....</u>	<u>22,082.29</u>	<u>329.08</u>		<u>22,411.37</u>	<u>Dr: 162.65</u>	<u>1,111.95</u>	<u>980.00<sup>4</sup></u>	<u>Dr: 30.59</u>
<i>Forward.....</i>	\$22,082.29	\$18,094.24	\$2,659.15	\$22,411.37	\$10,982.63	\$200,102.30	\$175,459.34	\$26,615.32
								\$9,010.27

# REPORT ON THE FUNDS (Continued)

	Principal			Income			Balance Sept. 1, 1946	Net Income	Expended	Special	Balance August 31, 1947
	Book Value Sept. 1, 1946	Increased	Decreased	Book Value August 31, 1947							
<i>Forward</i> .....	22,082.29	18,094.24	2,659.15	22,411.37	10,982.63	200,102.30	175,459.34	26,615.32			9,010.27
<u>Funds for the Library</u>											
Alumi Library Fund.....	16,799.42			16,799.42		852.53			852.53	3,196.382	
Mary Farnum Brown Library Fund.....	65,367.68	20.89		55,388.57		3,317.27				*100,005 20,893	
William H. Jenks Library Fund.....	4,817.71			4,817.71	522.04	244.49				726,992	39.54
Mary Wistar Brown Williams Library Fund..	19,566.40			19,566.40	2,060.01	992.95				1,457,862	1,595.10
Anna Yarnall Fund.....											
In Consolidated a/c.....	166,842.34			156,842.34		8,466.90	7,798.87			668,032	
Agency a/c.....											
F. B. Gunmore Library Fund.....	612.30			612.30	18.64	31.07				37,402	12.31
Edmund Morris Ferguson, Jr. Memorial Fund	965.80			965.80	11.08	49.01				48,932	11.16
Class of 1888 Library Fund.....	6,341.02			6,341.02	72.15	321.79				337,072	56.87
Class of 1918 Library Fund.....	1,207.83			1,207.83	15.25	61.29				62,972	13.57
Quakeriana Fund.....		600.00		600.00		20.30					20.30
	282,520.50			283,141.39							
<u>Funds for Old Style Pensions</u>											
President Sharpless Fund.....	39,733.67			39,733.67		2,016.40	2,016.40				
William P. Hensley Fund.....	35,418.53			35,418.53		1,797.42	1,797.42				
Jacob P. Jones Benefit Fund.....	65,630.50			65,630.50		3,330.61	3,330.61				
Pliny Earle Chase Memorial Fund.....	3,152.93			3,152.93		160.00	160.00				
Haverford College Pension Fund.....	107,955.98			107,955.98		5,478.54	5,478.54				
	251,891.61			251,891.61							
<u>Funds for Special Purposes</u>											
Thomas Shinley Fund.....	5,056.68			5,056.68	958.60	256.62				235,855 800,001	179.37
Elliston P. Morris Fund.....	1,085.68			1,085.68	130.26	55.10				57,452	127.91
John B. Garrett Reading Prize Fund.....	2,189.40			2,189.40	572.28	111.11				683.39	
Special Endowment Fund.....	8,890.67			8,890.67	1,574.63	451.18				200,007 25,008 100,006 74,6512	1,626.16
Scholarship Improvement Prize Fund.....	2,213.14			2,213.14	124.71	112.31				95,0010	142.02
Elizabeth P. Smith Fund.....	1,680.48			1,680.48	337.46	135.28					472.74
S. P. Lippincott History Prize Fund.....	2,454.02			2,454.02	313.99	124.54				49,99	388.54
Francis Stokes Fund.....	4,933.63			4,933.63	1,323.49	250.37				375,009	1,198.86
George Peirce Prize Fund.....	2,421.30	72.88		2,494.18		122.88				50,0010 72,883	
<i>Forward</i> .....	\$30,925.00	\$18,788.01	\$2,659.15	\$30,997.88	\$19,017.22	\$228,862.26	\$196,893.71	\$35,407.66			\$15,578.11



# REPORT ON THE FUNDS (Continued)

	Principal			Income				
	Book Value Sept. 1, 1946	Increased	Decreased	Book Value August 31, 1947	Balance Sept. 1, 1946	Net Income	Expended	Special
<b>Funds for Special Purposes (Continued)</b>								Balance August 31, 1947
Forward.....	30,925.00	18,788.01	2,659.15	30,997.88	19,017.22	228,862.26	196,893.71	35,407.66
Lyman Beecher Hall Prize Fund.....	2,076.43			2,076.43	393.08	105.37		100.00 <sup>10</sup>
Newton Prize Fund.....	1,346.79			1,346.79	166.65	68.35		398.45
Edward J. Conklin Athletic Fund.....	2,312.51			2,312.51		117.35	117.35	89.86
Arboretum Fund.....	4,420.49			4,420.49	1,167.11	224.33		
William Ellis Scull Prize Fund.....	1,927.09			1,927.09	274.07	97.80		290.00 <sup>9</sup>
Paul D. I. Maier Fund.....	963.54			963.54		48.90	38.90	50.00 <sup>10</sup>
Strawbridge Observatory Maintenance Fund	3,699.55			3,699.55	Dr:	225.24	46.23	10.00
Jacob Eugene Bucky Memorial Foundation..	3,334.45	169.22		3,503.67	80.09	159.22		169.22 <sup>3</sup>
Mathematics Department Prize Fund.....	1,118.82	29.78		1,148.60		56.78		2.00 <sup>12</sup>
William T. Elkinton Fund.....	2,491.50			2,491.50	130.42	126.44	100.00	25.00 <sup>10</sup>
Tilney Memorial Fund.....	5,000.00			5,000.00	298.50	253.74		29.78 <sup>3</sup>
Class of 1902 Latin Prize Fund.....	142.90			142.90	40.13	7.25		10.00 <sup>10</sup>
	59,759.07			60,030.95				
	<u>\$4,463,490.87</u>	<u>\$18,987.01</u>	<u>\$2,659.15</u>	<u>\$4,479,818.73</u>	<u>\$21,407.09</u>	<u>\$230,363.03</u>	<u>\$197,196.19</u>	<u>\$36,238.80</u>
								<u>\$18,335.13</u>

- 1 Scholarships
- 2 Books
- 3 Income Transferred to Capital
- 4 Annuity
- 5 Lecture
- 6 Friends Institute
- 7 Religious Educational Committee
- 8 Friends Council on Education
- 9 Spraying Tree
- 10 Prizes
- 11 Salaries
- 12 Printing

# SUMMARY OF THE FUNDS

	Book Value September 1, 1946	Increased	Decreased	Book Value September 1, 1947
Funds for General Purposes.....	\$3,253,979.17	\$ 77.89	\$ 2,659.15	\$3,251,397.91
Funds for T. Wistar Brown Graduate School.....	346,113.51	1,756.45		347,869.96
Funds for Morris Infirmary.....	14,176.55			14,176.55
Funds for Doverford Union.....	1,810.33			1,810.33
Funds for Scholarships.....	253,240.13	16,259.90		269,500.03
Funds for Library.....	282,520.50	620.89		283,141.39
Funds for Old Style Pensions.....	251,891.61			251,891.61
Funds for Special Purposes.....	59,759.07	271.88		60,030.95
Plus undistributed gain in Consolidated Investments Account.....	4,463,490.87	18,987.01	2,659.15	4,479,818.73
	89,966.62			104,021.64
	<u>\$4,553,457.49</u>			<u>\$4,583,840.37</u>
SUMMARY AS TO CONSOLIDATED AND NON-CONSOLIDATED ACCOUNTS				
Consolidated Account.....	\$4,491,096.64	\$109,351.24	\$75,638.29	\$4,523,809.59
Non-Consolidated Accounts:				
John Farham Memorial Fund.....	34,481.17		2,117.34	32,363.83
Nathan Branson Hill Fund.....	5,208.91		541.81	5,208.91
(In care of First National Bank & Trust Co., Minneapolis, Minnesota)	588.48			46.67
Ellen W. Longstreth Fund - Mary Pearall et al Agency Account.....	22,082.29	329.08		22,411.37
Augustus Taber Murray Research Scholarship Fund.....	<u>\$4,553,457.49</u>	<u>\$109,680.32</u>	<u>\$79,297.44</u>	<u>\$4,583,840.37</u>
The Book Value increased \$30,382.88 as follows:				
Donations for Additions to Funds.....		\$16,410.00		
Income Transferred to Principal.....		2,170.04		
Gain on Securities Sold.....		72,626.29		
Gain on Securities Called.....		14,316.40		
Gain on Real Estate Sold.....		695.76		
Gain on Mortgage (Recovery of Loss).....		2,068.50		
Gain on Securities Exchanged.....		<u>1,315.44</u>		
LESS:				
Loss on Securities Sold.....		4,736.38		
Loss on Securities Called.....		2,512.79		
Loss on Real Estate Sold.....		48,106.54		
Loss on Mortgages (Back Taxes).....		400.00		
Loss on Securities Exchanged.....		12,848.14		
Loss on Book Value Reduced.....		<u>79,219.55</u>		
				<u>\$30,382.88</u>

CLASSIFICATION OF INVESTMENTS  
8th Month 31, 1947

	Consolidated Account	Non- Consolidated Accounts	Total	%	Market Value	%
<u>BONDS</u>						
Government						
United States...	\$210,000.00	\$ 5,200.00	\$ 215,200.00		\$ 221,427.50	
Foreign.....	24,062.50		24,062.50		25,000.00	
Industrial.....	24,580.00	1.25	24,581.25		24,643.75	
Public Utility....	248,222.02	9,517.50	257,739.52		253,115.00	
Railroad.....	523,696.37	26,510.63	550,207.00		539,390.00	
Miscellaneous....	10,479.00		10,479.00		29,332.50	
	1,041,039.89		41,229.38	1,082,269.27	1,092,908.75	23.27
<u>PREFERRED STOCK</u>						
Industrial.....	250,553.97		250,553.97		260,235.00	
Public Utility....	361,706.76		361,706.76		370,035.00	
Railroad.....	96,132.87		96,132.87		106,175.00	
	708,393.60			708,393.60	736,445.00	15.68
<u>COMMON STOCK</u>						
Bank & Insurance..	466,008.73		466,008.73		464,299.00	
Industrial.....	1,008,511.20	175.00	1,008,686.20		1,125,873.13	
Public Utility....	307,965.57	9,661.53	317,627.10		312,343.75	
Railroad.....	151,483.37	5,790.15	167,273.52		121,238.13	
Miscellaneous....	8,531.98		8,531.98		18,759.00	
	1,952,500.85		15,626.68	1,968,127.53	2,042,513.01	43.49
<u>MORTGAGES</u>	287,632.51		2,271.67	289,904.18	289,904.18	6.17
<u>REAL ESTATE</u>	69,151.79			69,151.79	69,151.79	1.47
<u>MISCELLANEOUS</u> (including Campus Houses \$270,871.46).....	318,549.53			318,549.53	318,549.53	6.78
<u>CASH</u> - due to Funds from Corporation @ 4% Interest.....	146,541.42		903.05	147,444.47	147,444.47	3.14
	\$4,523,809.59	\$60,030.78		\$4,583,840.37	\$4,696,916.73	100.00%

NOTE: There are \$66,677.50 Public Utility Stocks not included in above figures being holdings in C. Wharton Stork Art Gift Fund which is not included in the Funds. This Fund also has an overdraft in Principal cash of \$43,477.50.

INCOME RETURN

The net income return (230,275.53) after allowing commission to our fiscal agent was 4.90% on book value at the end of the year.

# DONATIONS FOR ADDITIONS TO FUNDS

1946 - 1947

## *CLASS OF 1917 SCHOLARSHIP FUND*

Through -- Dr. John W. Spaeth, Jr.

From: Wm. H. Chamberlain.....	5.00	
Roland Snader, Jr.....	50.00	
Weston Howland.....	45.00	
Arthur E. Spellissy.....	100.00	
Loring Dam.....	100.00	
Anonymous: "In memory of Harvey Klock".....	100.00	
Donald Chandler.....	50.00	
Jesse G. Forsythe.....	5.00	
Joseph W. Greene, Jr.....	200.00	
Robert D. Metcalfe.....	10.00	
Arthur H. Napier.....	10.00	
William L. Baily, Jr.....	10.00	
W. Clark Little.....	50.00	
M. Alexander Laverty.....	10.00	
Edwin F. Lawrence, Jr.....	50.00	
John W. Sapeth, Jr.....	<u>15.00</u>	810.00

## *JOSEPH L. MARKLEY MEMORIAL SCHOLARSHIP FUND (New)*

Through -- Grover C. Grismore

From -- Mrs. Mary E. B. Markley.....	5,000.00
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## *JOSEPH C. & ANNE N. BIRDSALL SCHOLARSHIP FUND (New)*

From -- Dr. and Mrs. Joseph C. Birdsall.....	10,000.00
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## *QUAKERIANA FUND (New)*

From -- Dr. W. W. Comfort.....	<u>600.00</u>
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\$16,410.00

# D O N A T I O N S

## FOR MUSIC PROJECT

From Edward H. Boles.....	\$ 250.00
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## FOR FIELD HOUSE

Through A. W. Haddleton .....	19.60
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## FOR TRIANGLE SOCIETY MEMORIAL STANDS

As per list following.....	2,842.00
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## FOR BOOKS

From Library Associates: as per list following.....	564.00	
From Minor Library Donations		
Through Professor D. F. Lockwood.....	96.28	
From Matzke Royalties (from Publisher).....	<u>39.60</u>	699.88

## FOR PRIZES

From Alumni Association for Oratorical Prize.....	50.00	
From Christopher Morley for Sugimoto Prize.....	<u>100.00</u>	150.00

## FOR SCHOLARSHIPS

Refund of Student Account.....	9.69	
From J. J. Tunney.....	450.00	
From Frank Murphy.....	1,000.00	
From Student Council of Haverford College.....	400.00	
For Barraza		
From J. Henry Scattergood.....	100.00	
H. E. Heath.....	162.00	
C. R. Cary.....	100.00	
Leslie G. Heath.....	<u>269.90</u>	631.90
From S. Guldbranden.....	10.00	

## Corporation Scholarships Relinquished

From W. I. McIlhenny.....	100.00	
H. E. Vinsinger.....	100.00	
P. M. Deitsch.....	300.00	
R. W. Clark.....	300.00	
W. G. Worman.....	<u>300.00</u>	<u>1,100.00</u> 3,601.59

## FOR SALARIES

From Alumni Association.....	\$3,091.92
Forward.....	\$10,654.99



Forward..... \$10,654.99

CAMPUS CLUB

Through Dr. Oakley

Mr. Howard A. Andrews.....	1.00	
Mrs. Henry L. Balderston.....	2.00	
Mr. Wilfred Bancroft.....	5.00	
Mr. Daniel B. Boyer.....	7.50	
Miss Mable S. Beard.....	5.00	
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Mr. Edward Woolman.....	75.00	322.50

FOR CARE OF COPE FIELD

From Alfred G. Scattergood, Trustee.....	50.00
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FOR PHYSICS LABORATORY

From G. Foley Company.....	25.00
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FOR RADIO CLUB

Interest Allowed.....	65.64
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FOR BARCLAY HALL (after Fire)

From Thomas W. Elkinton.....	500.00
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Forward..... \$11,618.13

Forward.....		\$11,618.13
<i>FOR EXTRAORDINARY REPAIRS</i>		
From C. Berwind .....		20.00
<i>FOR S S "HAVERFORD VICTORY"</i>		
From Baltimore Alumni.....		70.00
<i>FOR JAMES NORTON'S BOOK</i>		
From American Future, New York.....	100.00	
From E. L. Wiegand Company.....	<u>173.50</u>	273.50
<i>FOR GENERAL BUDGET</i>		
From Professor L. W. Reid.....		150.00
<i>FOR PROFESSOR UFFORD RESEARCH PROJECT</i>		
From Research Corporation, New York.....		2,500.00
<i>FOR GENERAL CAMPAIGN (to be designated later)</i>		
From Morris R. Leeds.....		10,000.00
<i>CLASS OF 1928 FUND</i>		
See list following.....		1,064.00
<i>CLASS OF 1934 FUND</i>		
See list following.....		30.00
<i>FOR SPECIAL PURPOSE (to be designated later)</i>		
From E. A. Sherpick.....		200.00
<i>ALUMNI SUSTAINING FUND</i>		
See list following.....		<u>22,885.50</u>
		<u>\$48,811.13</u>

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\$264.00

Forward \$264.00

Total \$564.00

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Walter F. Price  
*Contributors* (100%) 3  
*Gift for the year* \$21.00

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1883

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Stephen W. Collins  
George H. Evans  
(In Memory of)  
*Contributors* (100%) 3  
*Gift for the year* 15.00

1884

J. Henry Allen  
*Contributors* (50%) 1  
*Gift for the year* 2.00

1885

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*Gift for the year* 10.00

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Henry H. Goddard  
Frederic H. Strawbridge  
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*Gift for the year* 120.00

1888

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*Gift for the year* 520.00

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Lawrence J. Morris  
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Frank E. Thompson  
William R. Dunton, Jr.  
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*Gift for the year* 315.00

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Guy H. Davies  
Robert E. Fox  
Dillworth P. Hibberd  
Jonathan M. Steere  
Robert R. Tatnall  
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*Gift for the year* 236.00

1891

Carey Coale  
David L. Makeel  
Robert E. Strawbridge  
Henry A. Todd  
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*Gift for the year* 30.00

1892

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Benjamin Cadbury  
Walter M. Hart  
John W. Muir  
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W. Nelson L. West  
Stanley R. Yarnall  
*Contributors* (41%) 7  
*Gift for the year* 185.00

1893

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Walter W. Haviland  
Clarence G. Hoag  
A. V. Morton  
John M. Okie  
Charles J. Rhoads  
Francis B. Reeves  
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Edward Woolman  
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*Contributors* (66%) 10  
*Gift for the year* 515.00

1894

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William W. Comfort  
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Kane S. Green  
James E. Hughes  
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Edward E. Quimby  
Frederick P. Ristine  
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*Gift for the year* 229.50

1895

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Frank H. Conklin  
Allen C. Thomas  
Grahame Wood  
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*Gift for the year* 62.00

1896

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Arthur F. Coca  
Thomas H. Haines  
Albert D. Hartley  
William W. Hastings  
John A. Lester  
J. Henry Scattergood  
L. Hollingsworth Wood  
*Contributors* (90%) 8  
*Gift for the year* 308.00

1897

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Thomas N. Chalfant  
Alfred M. Collins  
Elliott Field  
Charles H. Howson  
Roswell C. McCrea  
Wm. G. Rhoads  
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*Contributors* (57%) 8  
*Gift for the year* 175.00

1898

C. Herbert Bell  
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Francis S. McGrath  
Oscar P. Moffit  
S. Rowland Morgan  
Alfred G. Scattergood  
Perlee C. Sisler  
Francis R. Strawbridge  
Frederick A. Swan  
Robert N. Wilson  
Thomas Wistar  
Richard D. Wood  
*Contributors* (70%) 14  
*Gift for the year* 380.00

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Edward H. Lycett, Jr.  
Joseph P. Morris  
E. R. Richie  
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*Contributors* (60%) 6  
*Gift for the year* 250.00

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William W. Allen, Jr.  
William B. Bell  
Robert J. Burdette  
Francis R. Cope, Jr.  
Henry S. Drinker



John T. Emlen  
 Frank M. Eshleman  
 Henry M. Hallett  
 Walter S. Hinchman  
 Furman S. Howson  
 Samuel W. Mifflin  
 Heber Sensenig  
 F. C. Sharpless  
 A. G. Tatnall  
 E. B. Taylor, Jr.  
 Linden H. White  
 Wilfred W. White

Contributors (71%) 17  
 Gift for the year 325.00

## 1901

Ellis Y. Brown, Jr.  
 John W. Cadbury  
 Wm. E. Cadbury  
 Lovett Dewees  
 Lawrence W. DeMotte  
 W. H. Kirkbride  
 Herbert S. Langfeld  
 W. LaCoste Neilson  
 Frederick W. Sharp

Contributors (39%) 9  
 Gift for the year 80.00

## 1902

Edgar H. Boles  
 C. Reed Cary  
 Charles Evans  
 Edward W. Evans  
 John S. Fox  
 Richard M. Gunmere  
 S. Percy Jones  
 Percival Nicholson  
 William P. Phillips  
 J. Wallace Reeder  
 John L. Stone  
 E. Earl Trout  
 Alexander C. Wood, Jr.

Contributors (45%) 13  
 Gift for the year 1,720.00

## 1903

Henry J. Cadbury  
 Archer G. Dean  
 James B. Drinker  
 U. Mercur Eshleman  
 J. E. Hollingsworth  
 Hervey M. Hoskins  
 C. W. Kelsey  
 Arthur J. Phillips  
 Robert L. Simkin  
 Willard E. Swift  
 (In Memory of)  
 I. Sheldon Tilney  
 Howard M. Trueblood

Contributors (58%) 12  
 Gift for the year 625.00

## 1904

Frederick V. Andrew  
 Edwin J. Bevan  
 William S. Bradley  
 Joseph W. Clark  
 Chester R. Haig  
 George K. Helbert  
 W. M. C. Kimber

Bernard Lester  
 Robert P. Lowry  
 C. Christopher Morris  
 Harold H. Morris  
 C. Raymond Owen  
 Harold M. Schabacker  
 Edgar T. Snipes  
 James M. Stokes  
 John R. Thomas  
 Bert C. Wells  
 Wm. M. Wills  
 Samuel C. Withers

Contributors (66%) 19  
 Gift for the year 825.00

## 1905

Thomas M. Bales  
 Charles S. Bushnell  
 Henry G. Cox  
 Benjamin Eshlemen  
 Arthur H. Hopkins  
 Paul Jones  
 Charles S. Lee  
 Joseph H. Morris  
 E. Converse Pierce  
 Glyndon Priestman  
 Elias Ritts  
 Leslie B. Seely  
 Chester J. Teller  
 Edwards F. Winslow

Contributors (48%) 14  
 Gifts for the year 275.00

## 1906

Thomas Crowell  
 H. W. Doughten  
 Albert W. Hemphill  
 William Kennard  
 James Monroe  
 Albert K. Smiley  
 Walter A. Young

Contributors (27%) 7  
 Gift for the year 175.00

## 1907

Cornelius J. Claassen  
 Harold Evans  
 Francis Godley  
 James P. Magill  
 Jose Padin  
 Edward C. Tatnall  
 Emmett R. Tatnall  
 Alex N. Warner  
 George H. Wood

Contributors (35%) 9  
 Gift for the year 410.00

## 1908

Fisher C. Bailly  
 Howard Burrill  
 D. D. Carroll  
 J. Browning Clement, Jr.  
 E. A. Edwards  
 J. Passmore Elkinton  
 J. Jarden Guenther  
 Thomas R. Hill  
 Allan W. Hobbs  
 M. Albert Linton  
 T. Morris Longstreth  
 Charles L. Miller  
 W. Haviland Morriss

Loren C. Petry  
 Charles H. Rogers  
 Winthrop Sargent  
 George K. Strode  
 Walter W. Whitson  
 Raymond C. Woodard

Contributors (50%) 19  
 Gift for the year 345.00

## 1909

R. Newton Brey  
 Percival B. Fay  
 Wm. S. Febiger  
 Allan J. Hill  
 Sindy Loewenstein  
 Paul V. R. Miller  
 Joseph W. Pennypacker  
 Frank M. Ramsey  
 J. Warrington Stokes  
 Frederick R. Taylor  
 Robert L. M. Underhill  
 Wm. W. Warner

Contributors (36%) 12  
 Gift for the year 315.00

## 1910

Lawrence H. Barrett  
 Earlham Bryant  
 Earl S. Cadbury  
 Donald B. Cary  
 Edward W. David  
 Joseph C. Develin  
 E. Nelson Edwards  
 Harold A. Furness  
 Carroll A. Haines  
 Harrison S. Hires  
 Arthur W. Hutton  
 John D. Kenderdine  
 George A. Kerbaugh  
 Charles M. Leininger  
 Henry C. Lewis  
 Samuel Mason, Jr.  
 Christopher Morley  
 Reginald H. Morris  
 Walter Palmer  
 Samuel A. Rabinowitz  
 Charles S. Ristine  
 Perry B. Strassburger  
 Willard Tomlinson  
 W. L. G. Williams

Contributors (62%) 24  
 Gift for the year 751.00

## 1911

James Ashbrook, III  
 Daniel B. Boyer  
 Philip B. Deane  
 Wm. D. Hartshorne  
 David Hinshaw  
 Wm. L. Kleinz  
 L. Arnold Post  
 Joseph H. Price  
 D. Duer Reynolds  
 Edwin A. Russell  
 Victor Schoepperle  
 Lucius R. Shero  
 Gibson Smith  
 Howard G. Taylor, Jr.  
 Walter Tebbetts  
 Charles Wadsworth  
 Caleb Winslow

Contributors (47%) 17  
 Gift for the year 608.00



## 1912

Albert H. Baily, Jr.  
Stacey K. Beebe  
A. L. Biedenbach  
Joshua A. Cope  
Clarence M. Hunt  
Robert E. Miller  
Charles T. Moon  
Sydney S. Morris  
Irvin C. Poley  
Leonard C. Ritts  
Wm. H. Roberts, Jr.  
Lloyd M. Smith  
Walter H. Steere  
Henry M. Thomas, Jr.  
Edward Wallerstein  
Charles H. Wetzel

Contributors (40%) 16  
Gift for the year 280.00

## 1913

Joseph M. Beatty  
Paul H. Brown  
Wm. S. Crowder  
Frederick A. Curtis  
Charles G. Darlington  
Francis H. Diamant  
Lawrence N. Hadley  
Norris F. Hall  
Wm. Y. Hare  
Charles E. Hires, Jr.  
Elisha T. Kirk  
Stephen W. Meader  
George Montgomery  
Harry Offerman  
Oliver N. Porter  
John V. VanSickle  
William Webb  
George M. Weber  
Donald Wilder  
Edwards F. Winslow  
George L. Winslow

Contributors (51%) 21  
Gift for the year 208.00

## 1914

Walter G. Bowerman  
Carroll D. Champlin  
George V. Downing  
Charles W. Edgerton  
A. W. Elkinson  
Howard W. Elkinson  
Thomas W. Elkinson  
John K. Garrigues  
Edward M. Jones  
Harold M. Lane  
Robert A. Locke  
Roland P. McKinley  
Harold S. Miller  
William S. Patteson  
Baxter K. Richardson  
Robert C. Smith  
John A. Stout  
S. Emlen Stokes  
Herbert W. Taylor  
Thomas Tomlinson  
Charles K. Trueblood  
Wm. H. B. Whitall

Contributors (60%) 22  
Gift for the year 1,942.00

## 1915

Percival R. Allen  
Edgar M. Bowman  
G. Cheston Carey  
Nelson B. Coleman  
Loring P. Crosman  
Emmett R. Dunn  
Harold W. Helveston  
Thomas Hoopes, Jr.  
Hubert A. Howson  
Wm. H. Leland  
Felix Morley  
E. L. Shaffer  
C. Brinkley Turner  
Walter E. Vail  
Donald B. VanHollen

Contributors (45%) 15  
Gift for the year 207.00

## 1916

Frederick C. Buffum  
James Carey, III  
Frank W. Cary  
Bolton L. Corson  
George A. Dunlap  
Albert G. Garrigues  
Wm. T. Hannum  
Raymond C. Kendig  
William T. Kirk  
Philip L. Leidy  
Edward F. Lukens, Jr.  
J. Sidney Marine  
Ulric J. Mengert  
Edward R. Moon  
James E. Shipley

Contributors (38%) 15  
Gift for the year 305.00

## 1917\*

Wm. J. Gardner  
Ernest L. Brown  
William H. Chamberlin  
Donald Chandler  
Loring Dam  
Joseph W. Greene, Jr.  
Albert W. Hall  
Weston Howland  
H. Lawrence Jones  
M. Alexander Laverty  
Edwin F. Lawrence, Jr.  
Mennis Lawson  
W. Clark Little  
Hugh E. McKinstry  
Arthur H. Napier  
Lawrence M. Ramsey  
E. Rowland Snader, Jr.  
John W. Spaeth, Jr.  
Arthur E. Spellissy

Contributors (36%) 19  
Gift for the year 515.00

\*Special class fund in  
addition to Alumni Fund

## 1918

Harrison H. Arnold  
J. Henry Beeson  
Herbert H. Bell  
Bennett S. Cooper  
Stephen Curtis  
Frank Deacon  
Alfred H. Dewess  
Robert B. Greer

Henry M. Hallett, II  
Wm. H. Harding  
Lewis E. Hartman  
Joseph M. Hayman, Jr.  
L. Kent Keay  
Matthew M. Hynson  
Jaques LeClercq  
Charles-Francis Long  
Wm. Mussetter  
Herbert J. Painter  
Edward A. G. Porter  
Harry P. Schenck  
Joseph W. Sharp  
Morris S. Shipley  
Oliver P. Tatum  
John W. Thacher  
Albert H. Tomlinson  
Alfred J. Townsend

Contributors (54%) 26  
Gift for the year 294.00

## 1919

Wm. L. Brockelbank  
Hudson Chapman, Jr.  
Philip L. Corson  
T. P. Dunn  
Edgar B. Graves  
Hartley S. Haines  
Wm. F. Hastings  
George H. Hubler  
Malcolm D. Kerbaugh  
Furman H. Limeburner  
Thomas McConnell  
Russell N. Miller  
(In Memory of)  
A. Douglas Oliver  
Walter P. Shipley  
Chester M. Sutton  
Cleaver S. Thomas

Contributors (43%) 16  
Gift for the year 202.00

## 1920

Harold W. Brecht  
Herman D. Carus  
Paul C. Crowther  
Edmund M. Ferguson, Jr.  
(In Memory of)  
E. O. Geckeler  
Horace P. Hill  
Milton A. Kamsler  
Norman F. Milne  
Thomas E. Morris  
Robert R. Porter  
Horace F. Spencer  
James E. Sutton  
Granville E. Toogood  
John S. Williams  
Richard R. Wood  
Granville Worrell, II

Contributors (30%) 16  
Gift for the year 486.00

## 1921

C. Addison Brinton  
Edward L. Brown  
Elliott W. Brown  
Alan W. Hastings  
Edmund G. Hauff  
Eugene B. Heilman  
Herschel C. Henderson  
John R. Hoopes  
William T. Jebb  
J. Barclay Jones

Julian S. Long  
Archibald MacIntosh  
Raymond T. Ohl  
M. Huyett Sangree  
Charles W. Ufford  
B. B. Weatherby  
Win. F. Weigand  
R. N. Wood

Contributors (32%) 18  
Gift for the year 310.00

## 1922

Charles D. Abbott  
Noel S. Arrowsmith  
John B. Barker  
K. Braddock-Rogers  
Andrew Brown  
Henry S. Fraser  
John F. Gummere  
George A. Hilleman  
Richard W. Janney  
Ralph A. Klemm  
Robert R. Matzke  
Frederick S. Miller  
Elliston P. Morris  
Harry W. Pfund  
William E. Silver  
Craig M. Snader  
Richard M. Sutton  
Edward A. Taylor  
Kenneth B. Walton  
Prosper D. Wirt  
J. Colvin Wright  
Edwin W. Zerror

Contributors (42%) 22  
Gift for the year 311.00

## 1923

Russell G. Allen  
John C. Borton  
H. Tatnall Brown, Jr.  
Addison S. Buck  
Gilbert C. Fry  
Edward K. Haviland  
Rees S. Himes  
Garrett S. Hoag  
W. C. Hunsicker, Jr.  
Wilnot R. Jones  
S. Brooks Knowlton  
Robert W. Leeds  
Thomas M. Logan  
Thomas Parke  
Robert Schultz  
John B. Stevenson  
Alfred L. Test  
Wayne M. Wagenseller  
Charles Warner, Jr.  
Nelson A. White  
Alexander J. Williamson

Contributors (47%) 21  
Gift for the year 382.00

## 1924

C. F. Bader  
Courtland B. Brinton  
Hugh P. Brinton  
J. Stanton Carson  
Thomas S. Ellis  
Edward Foulke  
Charles H. Frazier, Jr.  
Harold D. Greenwell  
Forrest C. Haring  
Gaylord P. Harnwell  
Stanley B. Hastings

John F. Headly  
Wesley M. Heilman  
Howard J. Hogenauer  
George W. Howgate  
Edward B. Patterson  
Philip G. Rhoads  
John F. Rich  
En Shui Tai  
Gordon M. Turner  
Edward P. VanTine  
W. Wycliff Walton  
W. Nelson West, III  
Donald E. Wilbur

Contributors (49%) 24  
Gift for the year 675.00

## 1925

Conrad Acton  
Eric G. Ball  
Francis C. Barton, Jr.  
R. C. Bates, Jr.  
Wray D. Bentley  
Geoffroy Billo  
Leigh E. Chadwick  
Douglas W. Eiseman  
Martin Eshleman  
Edward L. Gordy  
C. Wm. Haines  
J. S. Curtis Harvey, Jr.  
H. Richard Heilman  
William E. Hinrichs  
Irving Hollingshead  
Henry F. House  
Alfred P. Hulme  
Charles H. Johnson, Jr.  
Hershal L. Macon  
Hugh Montgomery  
Frank F. Muller  
Warren W. Newman  
Jesse T. Nicholson  
C. V. A. Pittman  
Wm. D. Rogers  
James M. Sanders  
Albert E. Savage  
John L. Schulze, Jr.  
Charles C. Sellers  
John A. Silver  
Francis M. Stifler  
L. E. Taubel  
Raymond M. Thomas  
Charles L. S. Tingley, Jr.  
Benjamin B. Warfield  
Stanley E. Willey  
Austin Wright  
Harman A. Yerkes

Contributors (64%) 38  
Gift for the year 381.00

## 1926

Francis H. Ale  
Donald G. Baker  
Robert Barry, II  
Hugh Borton  
John B. Calkin  
Francis F. Campbell  
Alexander R. Carman, Jr.  
Franklin O. Curtis  
Henry C. Evans  
Allan Gilmour  
Charles H. Greene  
Gerald C. Gross  
Siddons Harper, Jr.  
Robert L. Hatcher  
J. Dean Joly  
Edward H. Kingsbury

Benjamin H. Lowry  
Paul L. Sassaman  
Charles E. Sumwalt  
Edward S. Wood, Jr.

Contributors (33 1/2%) 20  
Gift for the year 219.00

## 1927

Addison J. Allen  
Samuel A. Armstrong  
James W. Baker  
John H. Biddle  
Herman E. Compter  
Samuel Cook  
Allan B. Fay  
John E. Forsythe  
Albert V. Fowler  
William O. Grover  
John L. Heller  
Arland I. Innes  
John C. Lober  
Paul W. Ohl  
Allen G. Powell  
Herbert C. Rorer  
Ira B. Rutherford  
S. Stansfeld Sargent  
George E. Saunders  
W. B. Totten

Contributors (39%) 20  
Gift for the year 225.00

## 1928

The Class of 1928 special anniversary gift is reported.

## 1929

John E. Abbott  
John A. Bishop  
Roger C. Brown  
John R. Cooper  
Carroll L. Corson  
Robert W. Cunningham  
F. Curtis Dohan  
James G. Downward  
N. T. Folwell  
George S. Garrett  
Charles M. Hamilton  
John G. Hartman  
A. S. Hawthorn  
David H. Hedley  
Kenneth E. Kingham  
William S. Lane  
Davis D. Lewis  
A. A. Liveright  
Joseph E. MacNamee  
James S. Maier  
Ralph L. Miller  
Lionel C. Perera  
Gerald F. Rorer  
Francis W. Sharpless  
David J. Speck  
Robert C. Sullivan  
Daniel D. Test, Jr.  
Harold L. Wilt  
F. Howell Wright

Contributors (41%) 29  
Gift for the year 224.50

## 1930

Bradford S. Abernathy  
John L. Blackman, Jr.  
B. Franklin Blair  
Richardson Blair  
Arthur H. Brinton  
T. Ward Bruegel  
Donald R. Buxton  
Robert L. Dothard  
J. Richard Durham  
Theodore Evans  
Willem Ezerman  
Wm. D. Frazier  
W. Clark Hanna  
Allen D. Hole  
John D. Hymes  
John P. Jones  
Frank W. Lindsay  
Joseph W. Martin  
Brewster H. Morris  
J. Howard Morris, Jr.  
Edward Rosewater  
Harlow B. Rowell  
Daniel Smiley, Jr.  
Wilfred H. Wickersham  
Thomas Wistar, Jr.  
Thomas Wriggins, Jr.

Contributors (39%) 26  
Gift for the year 580.00

## 1931

Alson H. Bailey  
Richard Baker  
Henry G. Barnhurst  
J. Wendell Burger  
Thomas E. Burns  
Wm. E. Cadbury, Jr.  
Alfred R. Crawford  
George B. Edgar  
Robert F. Edgar  
F. W. E. Farr  
Robert W. Gabriel  
Donald L. Gibson  
John D. Gresimer  
Thomas B. Harvey  
James M. Houston  
K. Ray Katz  
Wm. Morris Maier  
Adrian S. Mann  
Lauman Martin  
Charles S. Pennypacker  
Frank N. Speller, Jr.  
Walter M. Teller  
Ignatius M. Weiringer  
Evan M. Wilson

Contributors (32%) 24  
Gift for the year 325.00

## 1932

Carl B. Allendoerfer  
Walter C. Baker  
Herbert Bijur  
Wm. F. Brinton  
Richard D. Brown  
John W. Conner, Jr.  
Walter I. Dothard, Jr.  
Robert F. Engle, Jr.  
Harry Fields  
Gifford Foley  
Herbert S. Gaskill  
F. Barton Gunnere, III  
C. Robert Haines  
John H. Hoag  
Lewis Kohn  
William E. Miller

Robert H. Morgan  
Ellis C. Osgood  
Thomas I. Potts  
William W. Pusey, III  
Arthur S. Roberts  
Harold J. Schramm  
Wallace M. Scudder  
John W. Settle, Jr.  
Wm. V. Sipple, Jr.  
Albert K. Smiley, Jr.  
Franklin J. Smith  
Charles S. Strickler  
Allen M. Terrell  
John R. Watkins  
Rudolph M. Wertime  
Robert S. Woodward, III  
John A. Zapp, Jr.

Contributors (46%) 33  
Gift for the year 396.00

## 1933

Clarence P. Baker  
Wm. A. Battey, Jr.  
Wm. B. Daub  
Horace K. Dugdale, Jr.  
John W. Masland  
John F. McMahon  
Hugh B. Pickard  
Wm. H. Russell  
John R. Sargent  
Alfred G. Scattergood, II  
Henry Scattergood  
Howard D. Sordon, Jr.  
James N. Stanton, Jr.  
W. Hooton Stokes  
Gerald S. Trenbath  
Frederick A. VanDenbergh, Jr.  
Henry J. Vaux  
David L. Wilson

Contributors (26%) 18  
Gift for the year 222.50

## 1934\*

Robert C. Atmore  
Oliver F. Egleston  
Richard O. Gibbs  
John P. DesJardins  
Louis W. Flaccus, Jr.  
J. Morton Fultz, Jr.  
Leonard L. Greif, Jr.  
Wm. H. Haines, III  
J. Ogden Hancock  
Edward M. Hendrickson  
R. Bruce Jones  
J. Douglas Lockard  
Benjamin S. Loewenstein  
David G. Loomis  
Wm. F. Maxfield  
David H. Parsons, Jr.  
A. Thomas Richie  
Henry G. Russell  
Roger Scattergood  
Arthur G. Singer, Jr.  
Bruce D. Smith  
Wm. Wharton Smith  
H. Miles Snyder  
Matthew W. Stanley  
Frederick H. Wright  
Willard M. Wright, Jr.

Contributors (37%) 26  
Gift for the year 299.50

\*Also see report of special gift.

## 1935

H. Hayes Aikens, Jr.  
Wm. L. Azpell, Jr.  
John B. Christopher  
Meredith B. Colket, Jr.  
Woodruff J. Emlen  
Ernest M. Evans  
Frederick E. Foerster  
Wm. H. Harman, Jr.  
Sidney Hollander, Jr.  
Wm. N. Huff  
Robert F. Hunsicker  
E. Charles Kunkle  
E. Wayne Marshall  
Edward J. Matlack  
W. Harrison Mechling, II  
Allen R. Menhard, Jr.  
Harry C. Meserve  
V. Putnam Morgan  
Samuel Potter, Jr.  
John B. Rhoads  
Kimberly S. Roberts  
Graham Rohrer  
Frederick N. Rolf  
Rowland G. Skinner  
Martin P. Snyder  
Wm. S. Stoddard  
F. J. Stokes, Jr.  
R. M. Suffern  
C. Bradley Watkins

Contributors (38%) 2  
Gift for the year 240.5

## 1936

Robert W. Baird, Jr.  
Robert Braucher  
Jonathan A. Brown  
Thomas D. Brown  
William A. Crawford  
Ellis I. Curley  
Arthur S. Dulaney, Jr.  
Francis C. Evans  
Grant C. Fraser  
Wm. R. Fry, Jr.  
L. Ross Garner  
Robert S. Gawthrop, Jr.  
Milton F. Glessner, Jr.  
Arthur R. Kane, Jr.  
Samuel Kind  
Wm. H. Loesche, Jr.  
Wm. A. Macan, III  
Samuel S. McNeary  
J. Don Miller, Jr.  
Park H. Miller, Jr.  
Lloyd E. Morris, Jr.  
Ralph C. Most  
John L. Parker  
Harry T. Paxton  
James W. Pearce, Jr.  
Joseph D. Purvis, Jr.  
Wm. E. Sheppard, II  
Allen W. Stokes  
George B. Thomas, Jr.  
Henry L. Tomkinson  
John VanBrunt, Jr.  
Hubert M. Vining  
Robert B. Wolf

Contributors (42%) 33  
Gift for the year 383.50

## 1937

W. W. Allen, III  
Howard A. Andrews  
Thomas S. Barker, Jr.  
Wm. H. Bond  
Samuel L. Borton, Jr.

Oliver G. Brown  
 Joseph R. Carson  
 Wm. H. Dault  
 Henry S. Drinker, Jr.  
 Hans B. Engelman  
 Henry H. Freund, III  
 Allan W. Gilmour, Jr.  
 Roger L. Greif  
 Henry C. Gulbrandsen  
 Marshall C. Guthrie, Jr.  
 Charles E. Holzer, Jr.  
 James D. Hoover  
 Bryden Hyde  
 Wm. L. Kiemer  
 Robert H. Kriebel  
 John A. Lester, Jr.  
 M. Albert Linton, Jr.  
 John B. Lukens  
 George Norris, Jr.  
 Wm. A. Polster  
 Edgar M. Rector  
 Wm. R. Reynolds  
 Joseph T. Rivers, Jr.  
 Peter P. Rodman  
 Edward H. Rosenberry  
 Herbert W. Taylor, Jr.  
 Philip M. Whitman  
 S. Vincent Wilking  
 Jay W. Worrall, Jr.  
 Arthur N. Wrigley  
 Contributors (41%) 35  
 Gift for the year 343.00

## 1938

T. A. Benham  
 Robert M. Bird, Jr.  
 Richard S. Bowman  
 R. Franklin Brattan  
 C. Thornton Brown, Jr.  
 John T. Carson, Jr.  
 Donald S. Childs, Jr.  
 Aubrey C. Dickson, Jr.  
 Wm. Duff  
 Charles R. Ebersol  
 John A. Evert, Jr.  
 Wm. N. Fraleigh  
 S. Knox Harper  
 Henry C. Longnecker  
 Wm. H. Luten, Jr.  
 George M. Mathues  
 Elliott H. Morse  
 L. Folsom Norsworthy  
 Dikran S. Pakradooni  
 William E. Prindle, Jr.  
 Frank M. Ramsey, Jr.  
 James L. Rich  
 Leslie R. Schramm  
 Philip R. Shank  
 Trumbull L. Simmons  
 Clyde H. Slease  
 Jonathan M. Steere, Jr.  
 T. Cooper Tatnam  
 Hubert R. Taylor  
 Robert J. Thompson, Jr.  
 Louis J. Velte, Jr.  
 Wm. M. Webb  
 E. Hambleton Welbourn, Jr.  
 Lawrence G. Wesson, Jr.  
 Whittmore Whittier  
 Edmund C. Wingerd, Jr.  
 Contributors (38%) 36  
 Gift for the year 311.00

## 1939

Robert B. Ackerman  
 Robert L. Balderston  
 William S. Bonham  
 George D. Bown

James H. Bready  
 Robert I. Burnside  
 Henry H. Derr  
 Jonathan Evans  
 Nathaniel H. Evans  
 Wm. E. Evans  
 J. Pierce Fenhagen  
 Harry A. Heilman, Jr.  
 Robert Herr  
 John A. Hoyer  
 Henry H. Jones  
 Douglas M. Larson  
 John E. Lewis  
 Charles E. Rankin  
 Seymour S. Rice  
 Alan Roberts  
 Craig M. Sharpe  
 T. David Shihadeh, Jr.  
 Laird H. Simons, Jr.  
 Robert E. Spaulding  
 David B. Stafford, Jr.  
 Thomas B. Steiger  
 John M. Sykes  
 Gilbert P. Talbot  
 John M. Tinnon  
 Maurice A. Webster, Jr.  
 D. Morton Williams  
 Russell R. Yost, Jr.  
 Contributors (41%) 32  
 Gift for the year 459.00

## 1940

David B. Coursin  
 Robert L. Dewees  
 David P. Flaccus  
 John E. Gross  
 Hanford Henderson  
 A. C. Hering  
 John T. Hoffman  
 Samuel F. Johnson  
 F. Allen Lewis  
 John M. Lindley, Jr.  
 Hayden Mason  
 Wm. F. McDevitt  
 Richard A. Poole  
 Charles H. Wolfinger  
 J. Wm. Wood, Jr.  
 Contributors (25%) 15  
 Gift for the year 94.00

## 1941

Edward P. Allinson, Jr.  
 David B. Arnold  
 Robert P. Arthur  
 Arthur G. Ashbrook, Jr.  
 H. Richard Blackwell  
 Howard L. Blum  
 Eugene Botelho  
 David T. Chestnut  
 John B. Clark  
 Henry D. Cornman  
 Hurst Davis  
 John W. Dorsey  
 Edward L. Engelhardt  
 Christopher Evans  
 Robert W. Evans, Jr.  
 Robert N. Evert  
 Louis J. Finger  
 Edwin D. Grosholz  
 Robert E. Harley  
 Robert E. Hecht, Jr.  
 Geoffrey Hemphill  
 John B. Hibbard  
 H. Kelman Holmes  
 Andrew F. Inglis  
 Benton D. King  
 William A. Liddell, Jr.

Thomas Little  
 Wm. K. Miller  
 M. Wayne Moseley  
 Samuel M. Murphy, Jr.  
 Arthur H. Napier, Jr.  
 Wilson H. Pile  
 Robert R. Poush  
 David W. Shoemaker  
 Robert H. Smith  
 Samuel M. Snipes  
 Leon Solis Cohen, Jr.  
 G. Ralph Strohl, Jr.  
 Harry H. Stuart  
 George M. Swan, Jr.  
 J. Bruce Swigert  
 R. Garey Winslow,  
 (In Memory of)  
 R. Garey Winslow  
 (In Memory of)  
 Kenneth A. Wright  
 Howard E. Ziegler  
 Contributors (57%) 45  
 Gift for the year 440.00

## 1942

Warren D. Anderson  
 E. Howard Bedrossian  
 Burns Brodhead  
 Knox Brown  
 E. E. Childs  
 Roy A. Dye, Jr.  
 John Y. Elliott  
 John D. Farquhar  
 John A. Fust  
 Edward A. Gaensler  
 James F. Gary  
 Thomas C. Gibb  
 C. Kirk Greer  
 Louis N. Grier, Jr.  
 Gove Hambridge, Jr.  
 Heber R. Harper  
 Anson B. Houghton  
 Gordon W. Howe  
 Henry W. Johnstone, Jr.  
 William S. Laughlin  
 George C. Lewis, Jr.  
 William B. Meldrum, Jr.  
 Clyde K. Nichols, Jr.  
 David M. Poole  
 Thor Rhodin  
 Lewis P. Saxer  
 Wm. H. W. Skerrett, Jr.  
 Franklin P. Sweetser  
 John D. Thomson  
 Dancy G. Weaver  
 W. Scott Worrall  
 Contributors (39%) 31  
 Gift for the year 264.00

## 1943

Jeremy Addoms  
 Eugene E. Anderson, Jr.  
 Arthur H. Bell  
 Tristram P. Coffin  
 David A. Coolidge  
 Thomas H. Eckfeldt, III  
 J. Morris Evans  
 Sumner W. Ferris  
 James B. Gilbert  
 John F. Hill  
 Holland Hunter  
 Lewis C. Kibbee  
 David B. Kirk  
 Howard B. Kriebel  
 H. Mather Lippincott, Jr.  
 Russell M. Lyman  
 Robert MacCrate



Avrel Mason  
 John H. Meader  
 John M. Moon  
 Sterling Newell, Jr.  
 Frank K. Otto  
 Norman Peterkin  
 Alan S. Rogers  
 George M. Ryrie  
 Seth T. Shepard  
 William Shihadeh  
 David D. Somers  
 John W. Thacher, Jr.  
 Harold S. Thomson  
 Alexander C. Tomlinson, Jr.  
 Haskell Torrence  
 John C. Whitehead  
 Carl E. Widney, Jr.  
 John B. Wilkie  
  
*Contributors* (43%) 35  
*Gift for the year* 283.50

## 1944

C. W. Abbott, of J.  
 Ellsworth C. Alvord  
 Donald H. Baird  
 John L. Balderson, Jr.  
 Inis P. Bolgiano, Jr.  
 Alfred C. Boysen, Jr.  
 Archie G. Buyers  
 John W. Clark  
 Horace N. Compton, Jr.  
 Wm. K. Conn  
 J. D. Crabtree, Jr.  
 Cassin W. Craig  
 Charles E. Fox, Jr.  
 Samuel M. Fox, III  
 Manuel J. Gomez  
 Jesse G. Grier  
 James Haden  
 Allan W. Hamilton  
 Walter Hollander, Jr.  
 William McC. Houston  
 William E. Howe  
 George W. Hubler  
 Edward B. Irving, Jr.  
 Robert M. Jacob  
 John S. Klein

Wm. R. McShane  
 Daniel K. Miller  
 Gilbert H. Moore, Jr.  
 R. Wilson Murphey  
 Arnold R. Post  
 Herbert N. Slotnick  
 H. Royer Smith, Jr.  
 David E. Stokes  
 Samuel E. Stokes, Jr.  
 H. Craig Sutton, Jr.  
 Richard W. Watkins  
 John S. Wires  
 James H. Worl  
  
*Contributors* (53%) 38  
*Gift for the year* 529.00

## 1945

Warren C. Baldwin  
 George A. Bartholomew  
 Edward Block  
 Mrs. Robert M. Brown  
 Sarah N. Cary  
 Richard W. Cole  
 Paul H. Dominovich  
 Francis E. Fairman, III  
 Barton K. Feroe  
 Henry H. Fetterman  
 Arthur Harned  
 Ernest M. Heimlich  
 David Yi-Yung Hsia  
 Clark Hulings  
 James R. Johnston  
 William L. Lehmann  
 David Mallery  
 Philip C. Mann  
 Mrs. John E. Pixton, Jr.  
 Edmond Preston, III  
 Donald A. Purdy  
 Vernon M. Root  
 J. Walker Stuart  
 Christopher VanHollen  
 Stacey H. Widdicombe, Jr.  
 Mary E. Williams  
 James B. Wright  
  
*Contributors* (46%) 27  
*Gift for the year* 242.00

## 1946

Frederick H. Bartlett, Jr.  
 Robert H. Bedrossian  
 Thomas M. Birdsall  
 William H. Chartener  
 Carolyn Graham  
 Walter Y. Kato  
 Bertram M. Kummel  
 George Montgomery, Jr.  
 Hans E. Petersen  
 Thomas J. Ryan, Jr.  
 Charles C. Ryrie  
 Joseph Stokes, III  
 George Yamane  
  
*Contributors* (38%) 13  
*Gift for the year* 108.00

## 1947

Israel M. Dowbinstein  
 Julius Katchen  
 G. Arthur Leaman  
  
*Contributors* (12%) 3  
*Gift for the year* 25.00

## 1948

Timothy B. Atkeson  
 William P. Barker, II  
 Paul F. Newman  
  
*Contributors* (25%) 3  
*Gift for the year* 25.00

## Special Contributions

Lydia C. Sharpless  
 Anonymous  
  
*Gift for the year* 205.00  
  
**TOTAL** \$22,885.50



## SPECIAL GIFTS

1928

James W. Alcorn, Jr.  
 Henry S. Ambler  
 John C. Beatty, Jr.  
 Carl F. Berlinger  
 William R. Bready, III  
 Richard C. Bull  
 Frederick M. Burgess  
 Royal S. Davis  
 John T. Evans  
 John O. Fitzsimmons  
 E. Dean Flint  
 Keely Fox  
 W. Addison Fox  
 Walter J. Gruber  
 A. Burtis Halloek, Jr.  
 Wm. K. Hartzell  
 Theodore Hetzel  
 Richard L. Hillier  
 Nelson J. Hogenauer  
 Allen F. Horton  
 J. Quincy Hunsicker, III  
 John A. H. Keith  
 J. McLain King  
 Richard T. Lane  
 John S. McConaghy  
 Michael McEntee  
 Gerald D. McDonald  
 Oliver W. Melchoir  
 Richard F. Minnich  
 James E. Mitchell  
 S. Burkhart Morrison  
 Henry S. Murphey  
 Alexander L. Nichols  
 Paul W. Nimmo  
 Eric H. Renwick  
 John Rex, Jr.  
 Jonathan E. Rhoads  
 Ingram H. Richardson  
 Donald W. Richie  
 Louis F. Richter  
 Charles A. Robinson  
 J. Cecil Rowe  
 Osman J. Seeds  
 Robert L. Shank  
 Phillin A. Sheaff, Jr.  
 Franklin W. Smith  
 Ellsworth B. Stevens  
 J. Tyson Stokes  
 Lawrence A. Tassi  
 Charles M. Tatum  
 Herbert F. Taylor  
 Allen C. Thomas, Jr.  
 Theodore Vanneman  
 Thomas S. Whiting  
 Theodore Whittelsey, Jr.  
 Richard Wistar  
 John W. Well  
 Leonard E. Yoder

Contributors (100%)	58
Total	\$1,064.00

1934

William W. Wright  
 Richard Pleasants

Contributors (3%)	2
Total	\$30.00

## TRIANGLE SOCIETY

### MEMORIAL STANDS

CLASS OF 1894  
 Frederick P. Ristine

CLASS OF 1895  
 Allen C. Thomas

CLASS OF 1899  
 Edward Howes Lycett, Jr.

CLASS OF 1900  
 Dr. Frederick Cope Sharpless

CLASS OF 1908  
 Edward A. Edwards

CLASS OF 1909  
 William Febiger

CLASS OF 1910  
 Earlham Bryant  
 Earl Shinn Cadbury  
 Carroll A. Haines  
 George A. Kerbaugh  
 John Phillips  
 Charles Scott Ristine  
 Eugene R. Spaulding

CLASS OF 1912  
 Leonard Chase Ritts  
 Lloyd Mellor Smith

CLASS OF 1913  
 Charles Elmer Hires, Jr.

CLASS OF 1914  
 Thomas William Elkinton  
 Robert A. Locke  
 Dr. Samuel Emien Stokes

CLASS OF 1917  
 Robert Gibson  
 Edmund Taber Price

CLASS OF 1919  
 Robert Burritt  
 Philip Langdon Corson  
 Malcolm D. Kerbaugh

CLASS OF 1920  
 John Steele Williams

CLASS OF 1922  
 Henry Salmon Fraser

CLASS OF 1923  
 Robert West Leeds

CLASS OF 1924  
 Howard Jessup Hogenauer

CLASS OF 1925  
 John Sykes Curtis Harvey, Jr.

CLASS OF 1927  
 James W. Baker

CLASS OF 1928  
 Allen Curry Thomas, Jr.

CLASS OF 1934  
 Eugene Francis Hogenauer

CLASS OF 1936  
 Robert Wilson Baird, Jr.  
 Dr. Joseph Dixon Purvis

CLASS OF 1938  
 Donald S. Childs, Jr.  
 Charles R. Ebersol

CLASS OF 1939  
 Robert L. Balderston  
 Henry Hought Derr

CLASS OF 1943  
 Robert MacCrate  
 George M. Ryrie  
 Haskell Torrence

Contributors	41
Gifts for year	\$2,842

"LOAN FUND"

August 31, 1947

**\$19,182.98**

## ENDOWMENT FUNDS

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### FUNDS FOR GENERAL PURPOSES

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#### GENERAL ENDOWMENT FUND

Founded in 1847 with subscriptions of \$50,000 by a number of Friends. Additions were made as follows: 1868, from an anonymous source, \$5,000; 1869, bequest of Ann Haines to increase the compensation of professors, \$2,670; 1870, bequest of Richard D. Wood, \$18,682.96; 1872, from William Evans, \$1,000; 1874, from executors of Jesse George, deceased, \$5,000; 1880, bequest of Dr. Joseph W. Taylor, \$5,000; 1901, legacy of Ann Williams, \$2,425.50; 1941, from children of Aubrey C. Dickson in his memory, \$300. Present book value, \$93,753.86. The income is used for salaries and scholarships.

#### JOHN FARNUM MEMORIAL FUND

Founded in 1878 by the heirs of John Farnum by gift of \$25,000 as a memorial to him. Added to in 1899 by legacy of \$10,000 from Elizabeth H. Farnum, widow of John Farnum. Present book value, \$32,363.83. The income only is to be used to endow a "professorship of some practical science or literature." The chair of chemistry was designated as the "John Farnum Professor of Chemistry." The principal is held in the name of three Trustees for the benefit of The Corporation of Haverford College.

#### JOHN M. WHITALL FUND

Founded in 1880 by bequest of \$10,000 from John M. Whitall, Sr. Present book value, \$10,252.18. The bequest is upon the condition that the art of drawing, especially mechanical drawing, shall be taught, and the income only is to be used, and for this purpose.

#### DAVID SCULL FUND

Founded in 1885 by bequest of \$40,000 from David Scull, Sr. Present book value, \$43,173.04. The income only is to be used to endow a professorship. The chair of biology was designated as the "David Scull Professor of Biology."

#### EDWARD L. SCULL FUND

Founded in 1865 by net bequest of \$9,500 from Edward L. Scull, '64. The legacy was added to the General Endowment Fund, but in 1888 it was set apart as a separate fund. Present book value, \$10,950.03. The income only is to be used. The bequest is free from any legally binding conditions, but it was the testator's desire "that some judicious means shall be employed by the Managers to further advise students on the subjects of diet and reading."

#### WISTAR MORRIS MEMORIAL FUND

Founded in 1892 by gift of \$5,000 in bonds by Mary Morris, widow of Wistar Morris, as a memorial to him. Present book value, \$4,956.69. There are no restrictions. The income is used for general college purposes.

#### ISRAEL FRANKLIN WHITALL FUND

Founded in 1896 by net legacy of \$9,667.83 from Israel Franklin Whitall. Present book value, \$10,388.86. The income only is to be used for the payment of professors or teachers.

### **JACOB P. JONES ENDOWMENT FUND**

Founded in 1897 by residuary legacy of Jacob P. Jones. This amounted when received to par value of \$279,021.60; book value, \$332,301.60, and sundry real estate. The real estate has all been sold, netting \$847,709.92. Present book value, \$1,253,930.25. The income only is to be used for general college purposes, and out of said income there shall be admitted a portion at least of the students either free of charge or at reduced rates. In accordance with this provision, about \$7,500 per annum is used for scholarships, and the balance of income for general college purposes. Jacob P. Jones' will contains the following: "My hope is that under the blessing and favor of God there will come from this source a revenue which shall be productive of growth and vigor in the institution as well as help at this critical period of their lives to many deserving young men of slender patrimony."

### **JOHN FARNUM BROWN FUND FOR THE STUDY OF THE BIBLE, BIBLICAL HISTORY AND LITERATURE, PHILOSOPHY, AND KINDRED SUBJECTS**

Founded in 1900 by the late T. Wistar Brown as a memorial to his son, John Farnum Brown, '93. The original gift was in cash and securities of a par value of \$43,000, shortly afterwards increased by further gifts of \$15,000. The founder made further gifts of cash and securities until 1915, the total being \$19,381 cash and \$48,500 par of securities with book value of \$41,490. His total gifts therefore had a book value of \$234,970.81. Of this, \$5,000 donated in 1910 is for endowment of prizes in Biblical History and in Philosophy. A portion of the income was capitalized each year to keep intact the full value of the fund until 1940 when this fund was included in the Consolidation of funds. Present book value, \$265,841.10. The income only is to be used for the purpose of making provision for the regular study of the Bible and Biblical History and Literature, and as way opens for religious teaching. In 1910, the scope and title of the Fund were enlarged to include "and Philosophy and Kindred Subjects." Income up to \$200 may be used for prizes in Biblical Literature and Philosophy.

### **ELLEN WALN FUND**

Founded in 1900 by legacy of \$10,000 from Ellen Waln. Present book value, \$10,711.80. There are no restrictions. The income is used for general college purposes.

### **CLEMENTINE COPE ENDOWMENT FUND**

Founded in 1904 by bequest of \$25,000 from Clementine Cope. Present book value, \$20,710.06. There are no restrictions. The income is used for general college purposes.

### **NATHAN BRANSON HILL TRUST**

Founded in 1904 by deposit with First National Bank and Trust Co., Minneapolis, Minn., trustee, of a paid-up life insurance policy for \$5,000 by Samuel Hill, '78, being in memory of his father, Nathan Branson Hill. The income is to be used to aid in the maintenance of Haverford College so long as it shall remain under the auspices of the Society of Friends. In 1931, Samuel Hill died and the policy realized \$5,039. Present book value, \$5,208.91.

### **JOSEPH E. GILLINGHAM FUND**

Founded in 1907 by bequest of \$50,000 from Joseph E. Gillingham. Present book value, \$40,849.10. The testator said, "I request, but I do not direct, that part of the income of this legacy may be used for free scholarships for meritorious students." In accordance with this request, \$800 is appropriated annually from the income for scholarships, the balance being used for general college purposes.



### **HENRY NORRIS FUND**

Founded in 1907 by bequest of \$5,000 from Henry Norris. Present book value, \$5,671.42. There are no restrictions. The income is used for general college purposes.

### **ELIZABETH H. FARNUM FUND**

Founded in 1891. The original principal of this fund, amounting to \$10,000, was held by the Provident Trust Co. of Philadelphia under a deed of trust created by Elizabeth H. Farnum of Philadelphia. The income was first paid to a life tenant until 1914, when income first accrued to the College "for the payment of the salaries of teachers and professors by the said College employed." Under date of Ninth Month 18, 1944, upon petition of the Trustee, concurred in by the College, the Court of Common Pleas awarded the principal to the Corporation of Haverford College "to be administered by it for the purposes set forth in the deed of trust in accordance with the non-profit corporation law." Present book value, \$9,160.24.

### **JAMES R. MAGEE FUND**

Founded in 1915 by bequest of \$10,000 from James R. Magee, '59, and added to in 1925, 1926, 1928, 1929, 1930, 1931, 1932, 1936, 1937, 1940, and 1944 by additional payments of \$29,182.84, \$1,694.84, \$499.31, \$499.68, \$488.85, \$207.33, \$400, \$250, \$100, \$449.89, and \$175.00. under his legacy. Present book value, \$43,184.70. There are no restrictions except that the income only is to be used. This is applied to general college purposes.

### **ALBERT K. SMILEY FUND**

Founded in 1915 by gift of \$1,000 from Daniel Smiley, '78, as a memorial to his brother, Albert K. Smiley, '49, and added to in 1924 and 1926. Present book value, \$1,445.31. There are no restrictions except that preference was expressed that the income only should be used. This is applied to general college purposes.

### **THE HINCHMAN ASTRONOMICAL FUND**

Founded in 1917 by bequest of \$10,000 par value securities from Charles S. Hinchman. Increased in 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, and 1936 by donations of \$28,926.95 from a friend of the College. Present book value, \$38,074.84. The income only to be used "to increase the salary of the astronomical professorship so as to provide a suitable instructor in the ennobling study of the heavens."

### **WALTER D. AND EDITH M. L. SCULL FUND**

Founded in 1918 by bequest of Walter D. Scull, whose death followed shortly after the death of his sister, Edith M. L. Scull. Each left his or her estate to the other, unless predeceased; in this latter case both American estates were left to Haverford College. Both were children of Gideon D. Scull, '43, and resided in England. Income accumulated before the receipt of the fund by the College amounted to \$16,887.66, of which \$15,078.51 was added to the principal of the fund. Present book value, \$168,196.24. The fund was created to establish a professorship of modern English constitutional history, and the chair has been designated as the Walter D. and Edith M. L. Scull Professorship of History.

### **ALBIN GARRETT MEMORIAL FUND**

Founded in 1919 by legacy of \$25,000 from Mary Hickman Garrett, in memory of her late husband, Albin Garret, '64. Present book value, \$25,795.00. There are no restrictions. The income is used for general college purposes.

### **ARNOLD CHASE SCATTERGOOD MEMORIAL FUND**

Founded in 1919 by gift of \$30,000 in securities from Maria Chase Scattergood in memory of her son, Arnold Chase Scattergood, of the Class of 1919, who died in his Junior year. Present book value, \$23,492.69. The income only is to be used toward the payment of professors' salaries.



## **FRANCIS B. GUMMERE MEMORIAL FUND**

Founded in 1920. This fund was started by a gift of \$25,000 from the late Miss Emily H. Bourne, of New York, conditional upon the raising of \$100,000 additional for an endowment of the Chair of English Literature in memory of her friend, Professor Francis Barton Gummere. A committee of alumni, consisting of J. Stogdell Stokes, '89, chairman; E. R. Tatnall, '07, treasurer; Hans Froelicher, '12, secretary; Charles J. Rhoads, '93; Alfred M. Collins, '97; Winthrop Sargent, Jr., '08, and Parker S. Williams, '94, working with President Comfort, organized a comprehensive campaign among the alumni and friends of the College to raise \$375,000 for this purpose and for increase of professors' salaries; the first \$100,000 of unspecified gifts was used to complete the Francis B. Gummere Memorial Fund to at least \$125,000, and the balance comprised the Isaac Sharpless Memorial Fund. Total, book value, \$120,991.54.

## **ISAAC SHARPLESS MEMORIAL FUND**

Founded in 1920. The alumni of the College conducted during 1920 a campaign for \$375,000 additional endowment for the College to make possible additional salaries to the professors. Appeal was made to found two new funds, the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund. The funds received, except where otherwise specified, were first applied to the completion of the former up to \$125,000 (see above). Specified gifts and donations thereafter received were then applied to the Isaac Sharpless Memorial Fund. The income only is to be used for salaries of professors. Total book value, \$210,754.11.

## **GENERAL EDUCATION BOARD FUND**

The General Education Board of New York appropriated \$125,000 in 1920 to the campaign for increase of endowment when the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund, totaling \$375,000, were raised. Interest at five per cent was paid on the full sum for three years, and the \$125,000 in full payment was completed in 1926-1927. Total book value, \$121,480.36.

## **HAVERFORD IMPROVEMENT FUND AND CONSOLIDATED CAMPUS HOUSES ACCOUNT**

Founded in 1922 to hold the Corporation's undivided share in College Lane land and eight houses. This property was turned over to the Corporation free of debt on Third Month 17, 1922, and with same the then debt of the Corporation amounting to \$155,942.15 was liquidated. The fund started with an undivided interest of \$19,000. There was added in 1922, \$9,000; and in 1925, \$2,000. In 1926, \$5,000 of this fund was sold and the proceeds were appropriated for the alterations to Roberts Hall. The balance of this fund, \$25,000, was also used in 1927 for the same purpose. The income was used for general college purposes.

The College Lane land was purchased in 1886 for the benefit of the College by David Scull, Justus C. Strawbridge, Richard Wood and Francis Stokes, Managers of the College and now all deceased. With contributions raised by them and by mortgages on which they went on the bonds, funds were raised to build six dwelling houses, and two houses were built by the Corporation itself. From the income of the houses the debt against the properties was gradually reduced until it was entirely liquidated in 1919. The net income from 1919 until 1922, when the property was turned over to the Corporation, was applied toward the reduction of the Corporation's debt.

As of Ninth Month 1, 1944, all of these eight College Lane houses, together with seven houses which had been bought for the College and formed a part of the College debt, and nine other Campus houses which were owned free of debt, were consolidated at a combined valuation of \$281,331.70 into a new Campus Houses Account held by Consolidated Investment Account. A return at 4% interest is to be credited to income to the College and the balance of net income is to be applied in a building fund for the annual reduction of the investment, and/or to a depreciation reserve fund to cover extraordinary repairs. The book value has thus been reduced to \$270,871.46.

## CENTENARY FUND

Centenary Fund (1) was founded in 1926 by gifts to the College in anticipation of the one hundredth anniversary of its founding in 1833. There were no restrictions and the income was used for general college purposes until 1935, when the principal was used in the liquidation of debt.

In 1935 a further campaign among the Alumni was conducted under the direction of William M. Wills, '04, to add to the funds raised in commemoration of the Centenary. This was designated as Centenary Fund (2) but in 1935-1936 the payment of pledges to (1) were merged with (2) at the request of donors, and the two accounts are now considered as one.

During 1936-1937, \$9,000 additional donations were made by members of the Strawbridge family, and of these \$3,372.63 were transferred for the final cost of the William J. Strawbridge '94 Memorial Astronomical Observatory, and \$5,627.37 were set aside to establish the Strawbridge Observatory Maintenance Fund. Other additional gifts of \$16,017.04 were made in 1936-1937, \$7,700 in 1937-1938, \$2,150 in 1938-1939, and \$15 in 1939-1940 bringing the totals contributed to both funds to date, for the Observatory \$47,000, and for other uses \$145,947.55.

From the \$16,017.04, together with \$1,550 realized from a previous gift of an investment, the balance of the debt for pension contributions \$12,022.57 was met, \$5,544.47 was applied to the debt for accrued deficits, \$7,700 was applied to the operating year 1937-1938, and \$2.150 to that of 1938-1939, \$15.00 to that of 1939-1940, and \$11.34 for 1940-1941, and \$50 for 1943-1944.

There remained one investment in this fund not yet realized upon with a book value of \$231.06. At end of 1943-44 this was absorbed into Consolidated Investment Account, and the debt reduced further by \$231.06.

## WILLIAM PENN FOUNDATION

Started in 1926 toward a fund of \$120,000 to establish a chair or lectureship in Political Science and International Relations. This fund forms a part of the Centenary program to raise \$1,000,000. This foundation is to be devoted, at the discretion of the Managers, to providing adequate undergraduate instruction in the theory and practice of our own and other governments, in the history of past attempts to secure international agreements and in the methods by which good international understanding may be promoted and maintained. Book value to date, \$98,346.29.

## WALTER CARROLL BRINTON MEMORIAL FUND

Founded in 1920 by gift of \$5,000 by the family of Walter Carroll Brinton, Class of 1915, who died in France Twelfth Month 8, 1918, while engaged in Friends' Reconstruction Work. The fund sustained the Walter Carroll Brinton Scholarship until 1926-1927. It was then increased \$6,000 by further gifts of the founders, and at their request the purpose was changed from a scholarship fund to form a separately named fund of the William Penn Foundation, with its income to be used for the same objects. Present book value, \$13,610.80.

## CORPORATION FUND

Founded in 1928 by setting aside \$70,000 of proceeds from sale of 5.811 acres of land on the southern boundary and at the southeastern corner of the College farm. In 1937, the fund was increased \$8,810, being proceeds of the sale of 1.762 acres of land to the Philadelphia Skating Club and Humane Society for their new ice skating rink. Present book value, \$77,093.02. The fund is invested and the income used for general college purposes, until otherwise directed by the Managers.

## ELIZABETH J. SHORTRIDGE FUND

Founded in 1930 by bequest from Elizabeth J. Shortridge, without restrictions. The fund is invested, and until otherwise directed by the Managers, the income only is used for general purposes. Present book value, \$9,635.43.

## HOWARD COMFORT MEMORIAL FUND

Founded in 1934 and added to in 1935, 1936, and 1937 by donations totaling \$5,000 from President William Wistar Comfort in memory of his father, Howard Comfort, Class of 1870, who was a Manager from 1880 until his death in 1912, and Secretary of the Board of Managers from 1884 until 1908. The income only is to be used, and for general purposes. Present book value, \$4,844.02.

## EMMA RIDGWAY COMLY FUND

Founded 1935 by bequest of \$50,000 from Emma Ridgway Comly, a Philadelphia Friend. The bequest was unrestricted as to both principal and income. The income is used for general purposes. Present book value, \$48,165.07.

## ELLEN W. LONGSTRETH FUND

Founded 1935 by bequest of \$20,000 and her residuary estate from Ellen W. Longstreth, a Friend belonging to Haverford Meeting, and living in Bryn Mawr. The principal and income are both unrestricted. The bequest of \$20,000 and residuary \$84,416.28 in 1935-36, together with further realization on residuary assets, viz. \$3,338.69 in 1936-37, \$73.33 in 1938, \$166.80 in 1942-43, and \$258.00 in 1943-44, make a total of \$108,253.10. There are some participations in real estate not yet liquidated, which will increase or decrease this fund. The income is used for general purposes, with a usual allotment of \$300 for Quaker books. Present book value, \$102,971.24.

## ALBERT L. BAILY FUND

Founded in 1936 by an unrestricted bequest of \$5,000 from Albert L. Baily, '78. The income is used for general purposes. Present book value, \$4,817.71.

## ELIZABETH B. WISTAR WARNER FUND

Founded First Month 16, 1937, by unrestricted bequest of \$4,950 from Elizabeth B. Wistar Warner, of Germantown, widow of George M. Warner, '73. The income is used for general purposes. Present book value, \$4,769.54.

## T. ALLEN HILLES BEQUEST

Founded First Month 19, 1937, by receipt of the proceeds of a trust fund created in 1935 by T. Allen Hilles, class of 1870, formerly of Wilmington, Delaware, recently of Glen Mills, Pa., who died 11th Month 15, 1935. The amount received in stocks and cash was \$285,000. Proceeds of mortgages of \$7,460.94 in 1938, and final cash from executor in 1939 of \$1,603.37 brought the gross total to \$294,064.31. From this was deducted in 1939 the final settlement of taxes and fees totalling \$13,300, thus making the final net bequest \$280,764.31. Accumulated income of \$12,489.77 was also received on First Month 19, 1937. In the trust created by the donor in 1935 he provided: "The gift to Haverford College shall constitute a fund to be known as 'The Hilles Bequest,' and the income shall be used for repair, upkeep and improvement of the building which I have given to Haverford College known as the Hilles Laboratory of Applied Science of Haverford College. My purpose in making this gift is primarily to relieve the Corporation of Haverford College from any additional expense on account of the erection of the building which I have given them, and the accompanying expansion of its educational activities, but whenever and if the Board of Managers or other governing body of the College shall determine it to be for the best interest of the College to devote the whole or any part of the income of the fund to uses other than those above specified, such income may be applied to such uses and in such manner as the Board of Managers or other governing body may in its absolute discretion determine." Present book value, \$270,528.30.

## LEONARD L. GREIF, JR., AND ROGER L. GREIF FUND

Founded Ninth Month 29, 1937, by gift of \$1,000 from Leonard L. Greif, '34, and Roger L. Greif, '37, of Baltimore. The gift was unrestricted, but the Managers have set aside this fund as endowment for general purposes, the income only to be used, until otherwise determined by them. Present book value, \$963.54.



### **EDWARD M. WISTAR FUND**

Founded First Month 9, 1938, by gift of \$2,500 from Edward M. Wistar. '72. for endowment, the income only to be used for general purposes. Present book value, \$2,408.86.

### **TRIANGLE SOCIETY ENDOWMENT FUND**

In 1934, the Triangle Society set up a plan of taking out insurance policies on the lives of some of its younger members. To date ten such policies have been issued, nine for \$500 each and one for \$1,000, with the College as beneficiary.

The actual fund was opened in 1945-46 with \$500, proceeds on the life of H. Conrad Atkinson, '40, who was lost in the Pacific in 1942 while serving in the Air Corps. Present book value, \$500.

### **MORRIS E. LEEDS FUND**

Founded Sixth Month 26, 1941, by gift of 400 Participating Shares of Leeds and Northrup Stock Trust. The fund is unrestricted as to principal and interest, but was ordered by the Managers, until otherwise directed, to be included among the funds for General Purposes, the income only to be used. Present book value, \$39,428.52. This fund is subject to an annuity of \$1600, during the life of its donor.

### **J. HENRY SCATTERGOOD FUND**

Founded Tenth Month, 1941, by donations totaling \$1,660, made by members of the Board of Managers in recognition of the services for 25 years of J. Henry Scattergood, '96, as Treasurer of the Corporation of Haverford College. A further gift of \$340 was made in 1943-44.

The income of this fund is to be used in the field of International Relations and to be at the disposal of the President of the College and the William Penn Professor holding the Chair in Political Science and International Relations. If the income in any year is not used for the special purposes as stated, in the discretion of the President, it may be used for general purposes. It is further provided that after Tenth Month 1, 1951 the use of the fund for other purposes, both as to principal and income, shall be subject to the direction of the Board of Managers of Haverford College. Present book value, \$1,979.41.

### **FUND FOR GRADUATE SCHOOL**

#### **MOSES BROWN FUND**

A trust founded by T. Wistar Brown, in 1906, as a memorial to his father, Moses Brown. Transferred to the College in 1916 after his death, having at that time a par value of \$372,821.91 and book value of \$318,823.56. Present book value, \$347,869.96. The fund was created to establish a graduate course in religious study in harmony with and supplementary to the teaching and study provided for by the John Farnum Brown Fund. The income only is to be used; at least ten per cent of the total income must be capitalized each year. The unused income, if any, is likewise capitalized at the close of each fiscal year. The graduate school supported by the Moses Brown Fund was designated "The Thomas Wistar Brown Graduate School." In 1927 the former separate school was discontinued and eight graduate scholarships were created.

In 1937-1938, arrangements were first made for cooperation in courses with Pendel Hill, a school for religious education under the care of Friends, located at Wallingford, Pa.

### **FUNDS FOR INFIRMARY**

#### **INFIRMARY ENDOWMENT FUND**

Founded in 1911 from subscriptions totaling \$9,072.55, raised among alumni and friends of the College. Present book value, \$9,301.50. The income is used toward the expenses of the Morris Infirmary.

#### **JOHN W. PINKHAM FUND**

Founded in 1911 by legacy of \$5,000 from Dr. John W. Pinkham, '60, being

transmitted by gift from his widow, Cornelia F. Pinkham. Present book value, \$4,875.05. There are no binding conditions, but as she expressed an interest in the Morris Infirmary, then building, the Board of Managers directed that the income of this fund should be used in the support and maintenance of the Infirmary.

#### **FUND FOR HAVERFORD UNION**

##### **HAVERFORD UNION FUND**

Founded in 1920 by gift of \$1,000 par value of bond at book value of \$800 and \$678.59 cash, and all the personal property in the Union from the Haverford College Union. The College assumed the responsibility for the care of the building First Month 16, 1920. The income is used toward the maintenance of the Union building. Present book value, \$1,810.33.

#### **FUNDS FOR SCHOLARSHIPS**

##### **THOMAS P. COPE FUND**

Founded in 1842 by gift of sixty shares of Lehigh Coal and Navigation Co. stock, par value \$3,000, from Thomas P. Cope. Present book value, \$5,066.13. The income only is to be used "for the education of young men to qualify them to become teachers, but who are not of ability to pay their own schooling" This fund sustains the Thomas P. Cope Scholarships.

##### **EDWARD YARNALL FUND**

Founded in 1860 by bequest of \$5,000 from Edward Yarnall. Present book value, \$5,847.96. The income only is to be used for "the support of free scholarships." The fund sustains the Edward Yarnall Scholarships.

##### **ISAIAH V. WILLIAMSON FUND**

Founded in 1876 and increased in 1883 by gifts of sundry ground rents from Isaiah V. Williamson. Present book value, \$19,094.90. The income only is to be used for free scholarships. The fund sustains the Isaiah V. Williamson Scholarships.

##### **RICHARD T. JONES SCHOLARSHIP FUND**

Founded in 1885 by bequest of \$5,000 from Jacob P. Jones as a memorial to his late son, Richard T. Jones, '63. Present book value, \$4,871.92. The income only to be used to sustain the "Richard T. Jones Scholarship."

##### **MARY M. JOHNSON SCHOLARSHIP FUND**

Founded in 1897 by bequest of \$5,000 from Mary M. Johnson. Accrued interest before payment to the College increased the fund by \$3,062.95. Present book value, \$6,757.92. The bequest was to establish a "perpetual scholarship." The fund sustains the Mary M. Johnson Scholarships.

##### **SARAH MARSHALL SCHOLARSHIP FUND**

Founded in 1897 by bequest of \$5,000 from Sarah Marshall. Accrued interest before payment to the College increased the fund by \$2,589.49. Present book value, \$7,631.02. The bequest was to establish a "perpetual scholarship." The fund sustains the Sarah Marshall Scholarships.

##### **CLEMENTINE COPE FELLOWSHIP FUND**

Founded in 1899 by gift of \$25,000 from Clementine Cope. Present book value \$22,012.96. The gift was to establish the "Clementine Cope Fellowship Fund to assist worthy and promising graduates of Haverford College in continuing their course of study at Haverford or at some other institution of learning in this country or abroad." The selection of the Fellows is made by the Board of Managers upon nomination by the Faculty.

##### **ISAAC THORNE JOHNSON SCHOLARSHIP FUND**

Founded in 1916 by gift of \$5,000 from Isaac Thorne Johnson, '81. Present



book value, \$8,413.18. The gift was to establish "The Isaac Thorne Johnson" Scholarship to aid and assist worthy young men of Wilmington Yearly Meeting or of the Central West to enjoy the privileges of Haverford College." Unused income is added to the principal of the fund.

#### **CASPAR WISTAR MEMORIAL SCHOLARSHIP FUND**

Founded in 1920 by gift of Edward M. and Margaret C. Wistar of \$5,000 par value in bonds in memory of their son, Caspar Wistar, of the Class of 1902, who died in Guatemala in 1917 while engaged in mission service in that country. The income only is to be used for scholarships, primarily for sons of parents engaged in Christian service, including secretaries of Young Men's Christian Associations, or students desiring preparation for similar service in America or other countries. Present book value, \$2,843.61.

#### **J. KENNEDY MOORHOUSE SCHOLARSHIP FUND**

Founded in 1926 by gifts totaling \$3,000, with \$1,000 added in 1926, and \$1,000 in 1928 and \$1,000 in 1929 from the Class of 1900 in memory of their classmate, J. Kennedy Moorhouse. The scholarship provided by this fund is "to be awarded, whenever a vacancy shall occur, to the boy ready to enter the Freshman class, who in the judgment of the President of the College appears best fitted to uphold at Haverford the standard of character and conduct typified by J. Kennedy Moorhouse, 1900, as known to his classmates: A man, modest, loyal, courageous, reverent without sanctimony; a lover of hard play and honest work; a leader in clean and joyous living." Present book value, \$4,967.88.

#### **LOUIS JAQUETTE PALMER SCHOLARSHIP FUND**

Founded in 1928 by gift of \$5,000 from Triangle Society, as follows:

"The Triangle Society of Haverford College herewith presents to the Corporation of Haverford College, a fund of Five Thousand Dollars (\$5,000) to be hereafter known and designated as the 'Louis Jaquette Palmer Scholarship Fund';

"This fund represents contributions from the members of the Triangle Society of Haverford College who have been thus inspired to perpetuate the memory of their fellow member, Louis Jaquette Palmer, of the Class of 1894, one of the founders of the Triangle Society, whom they admired for his cooperative spirit and constructive interest in student and community welfare. The fund is placed with the Corporation of Haverford College with the understanding:

"That such student shall be selected from a list of those eligible for entrance to Haverford College, who shall have combined in his qualifications the fulfillment of such conditions as apply to applicants for the Rhodes Scholarships under the terms of its creation, and furthermore that the student so selected and entered in Haverford College may continue to receive said scholarship fund throughout his course at College, subject to the approval of the Committee, otherwise preference shall be given to applications for the Freshman Class;

"That the selection of said student and the determination of the qualities and conditions hereinbefore mentioned shall be subject to the decision and control of a committee of three (3), which committee shall be composed of two (2) members of the Triangle Society and the President of Haverford College, the said members of the Triangle Society to select and recommend the applicants and the committee as a whole to determine their qualifications and eligibility.

"Finally, in the event that no student is selected by the Triangle Society or that a vacancy occurs, the income from said funds and any additions shall accumulate as provided under the customary rules and regulations of the Corporation of Haverford College."

Present book value, \$4,817.71.

#### **PAUL W. NEWHALL MEMORIAL SCHOLARSHIP FUND**

Established in 1931 by bequest of \$5,045.60 from Mary Newhall in memory of her father, Paul W. Newhall, a Manager, 1844-48, for the establishment of a scholarship fund. The income only to be used for free scholarship purposes. Present book value, \$4,861.65.

## **ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIP FUND**

Founded in 1935 by gift of \$750, \$2,000 each year 1936 to 1940, and in 1942; \$2,500 in 1941; \$1,000 in 1943; \$1,000 in 1944; and \$2,000 in 1945; by Harry M. Zuckert, New York, in memory of his son, Robert Martin Zuckert, of the Class of 1936, who was killed in an accident in June, 1935. The income is to be used for scholarships and the donor said, "I should prefer a boy who is a native of New York or Connecticut and who now resides in one of those States." Present book value, \$18,813.65.

## **SAMUEL E. HILLES ENDOWMENT**

### **CREATED BY MINA COLBURN HILLES**

Founded in 1935 by gift of \$5,000 from Mrs. Mina Colburn Hilles, of Orlando, Fla., in memory of her husband, Samuel E. Hilles, Class of 1874, formerly of Cincinnati, who died in 1931. This fund was created under a trust deed with Central Title and Trust Co., Orlando, Fla., to whom annual reports are to be made. The income only is to be used for scholarships for worthy students who are unable to finance their expenses at Haverford College. Present book value, \$4,834.39

## **CLASS OF 1913 SCHOLARSHIP FUND**

Founded Fourth Month 15, 1937, by gift of \$3,000 from Class of 1913 for the endowment of scholarship aid. The income only is to be used for scholarship aid, to be awarded annually to a worthy student of any undergraduate class. Preference is to be given to sons of members of the Class of 1913 who may apply and who meet the usual requirements of the College. Present book value \$2,890.62.

## **THE AUGUSTUS TABER MURRAY RESEARCH SCHOLARSHIP FUND**

Founded Fifth Month 31, 1939 by gift from two anonymous friends of Dr. Augustus Taber Murray, '85; by gifts of \$20,000 par value of securities subject to annuity during their lives, and with permission to use principal for the annuity payments, if necessary.

Upon the deaths of the two annuitants, the remaining principal shall be held in a fund, the "Income to be used for scholarships in recognition of the scholarly attainments of Augustus Taber Murray, a distinguished Alumnus of Haverford College, of the Class of 1885, and for many years a professor of Leland Stanford University, the fund to be known as 'The Augustus Taber Murray Research Scholarship.' Then scholarships in English literature or philology, the classics, German literature or philology (in order of preference) shall be awarded upon such terms and conditions as the College may from time to time establish to students who have received the bachelor's degree at Haverford College, and shall be awarded for the purpose of study in other institutions toward the degree of Doctor of Philosophy or such degree as may in the future correspond to that degree."

The amount of the Scholarship is to be \$900 a year whenever awarded, and only unmarried students are eligible to hold it. Present book value, \$22,411.37.

## **THE CLASS OF 1917 SCHOLARSHIP FUND**

Founded Seventh Month 13, 1942 by initial gift of \$2,000.00 from the Class of 1917, John W. Spaeth, Jr., Treasurer, as a Twenty-fifth Anniversary Gift. A further gift of \$250.00 was made at the same time to cover the first two years of a scholarship of \$125.00 per year. Preference is to be given to a son of a member of the Class of 1917. The income only is to be used for a scholarship to the extent of \$150.00 per annum. Further contributions from the members of the Class of 1917 are to be applied in the following order:

(1)—To supplement the annual income from the principal sum of \$2,000.00, so that the annual scholarship stipend shall be \$150.00, or as near that sum as may be;

(2)—To add to the principal sum any surplus of these annual contributions not needed to serve the purpose of (1). Since the scholarship stipend for the years 1942-1943 and 1943-1944 was already provided for by the additional \$250.00 already contributed by the Class of 1917, the annual contributions from the Class in these two years was added at once to the principal sum of \$2,000.00, thus serving the purpose of (2) above. Further contributions of \$500 were made in 1944-1945 and \$425 in 1945-1946 and \$810 in 1946-1947. Present book value, \$4,749.85.

### **DANIEL B. SMITH FUND**

Founded Tenth Month 6, 1943 by gift of \$2,500 from Anna Wharton Wood, of Waltham, Mass., who died in 1944. This was increased Fifth Month 24, 1945 by a bequest of \$2,500 made by Miss Esther Morton Smith, of Germantown, Philadelphia, who died Third Month 18, 1942.

This fund is established by the granddaughters of Daniel B. Smith "in loving memory of their grandfather and his intimate association with the early years of the College."

The income is to be used, in the discretion of the Faculty as an annual scholarship for some young man needing financial aid in his College course. Preference is to be given to a descendant of their father, Benjamin R. Smith, if any such should apply. Present book value, \$5,000.00.

### **SARAH TATUM HILLES MEMORIAL SCHOLARSHIP FUND**

Founded Eleventh Month 1, 1943 by bequest of \$75,534.58 from Joseph T. Hilles 1888, in memory of his mother "Sarah Tatum Hilles."

The will directs that the income be used "to provide for such number of annual scholarships of \$250 each as such income shall be sufficient to create"; they are to be awarded by the Managers upon "needy and deserving students," and to be known as "Sarah Tatum Hilles Memorial Scholarships."

It is estimated that twelve scholars can be thus provided for at present. Present book value \$75,534.58.

### **ELIHU GRANT MEMORIAL SCHOLARSHIP FUND**

Established Second Month 2, 1944 by gift of \$200 from Mrs. Elihu Grant to supplement the simultaneous transfer of \$803.73 to this new fund from Donations Account, being the balance of Donations made by Dr. Grant during his lifetime to the Beth Shemesh account, and \$75.00 realized from the sale of some of his books. **Mrs. Grant has made a further gift of \$1,000 in 1943-44 and \$2,000 in 1944-1945.** And, Grant Foundation, Inc., gave \$10,000, also in 1944-45. Mrs. Grant made a further gift of \$1,000 in 1945-46.

With the donor's approval, the terms of the fund are as follows:

"Founded in 1944 to commemorate the service to Haverford College of Dr. Elihu Grant, from 1917 to 1938, a member of the College faculty. The income from this fund is applied to scholarship assistance to students in the Humanities, primarily those specializing in the study of Biblical Literature and Oriental subjects, and is limited to those whose major subject has been approved by the College faculty. In special circumstances the income may be utilized to assist those working for a post-graduate degree at Haverford College."

If conditions change, the Managers are given power to change the use of the fund. Present book value, \$15,078.73.

### **CHRISTIAN FEBIGER SCHOLARSHIP FUND**

Founded Sixth Month 13, 1946 by a gift of \$8,000.00 from Madeleine Seabury Febiger, of Philadelphia, in memory of her husband, Christian Febiger, Class of 1900.

The income only is to be used in paying the tuition or other college expenses of worthy, needy students at Haverford College. Present book value, \$8,000.

### **JOSEPH L. MARKLEY MEMORIAL SCHOLARSHIP FUND**

Founded 2nd Month 10, 1947 by gift of \$5,000.00 from Mrs. Mary E. B. Markley of Ann Arbor, Michigan, widow of Joseph L. Markley, A.B. '85, M.A. '86, who was Professor of Mathematics at University of Michigan. The gift was made "to be held as an endowment fund in memory of Joseph L. Markley of the Class of 1885. The income of which is to be granted each year, in the discretion of the faculty, as a scholarship to some student on the basis of character, scholarship and financial need."



### **JOSEPH C. AND ANNE N. BIRDSALL SCHOLARSHIP FUND**

Founded 2nd Month 24, 1947 by initial gift, of \$10,000 from Dr. Joseph C. Birdsall of Haverford, "for the establishment of a new fund to be known as "Joseph C. and Anne N. Birdsall Scholarship Fund, the income only to be granted each year, in the discretion of the faculty of Haverford College, as scholarship aid to some student or students of Haverford College who are preparing for medicine,—the selection to be upon the basis of character, scholarship and financial need."

## **FUNDS FOR THE LIBRARY**

### **ALUMNI LIBRARY FUND**

Founded in 1863 by contributions from the alumni and other friends of the College. In 1909 the unexpended balance (about \$5,000) of a fund of \$10,000 raised in 1892, and known as the "New Library Fund," was merged into the Alumni Library Fund. Present book value, \$16,799.42. The income is used for binding and miscellaneous expenses of the Library.

### **MARY FARNUM BROWN LIBRARY FUND**

Founded in 1892 by gift of \$20,000 from T. Wistar Brown, executor of the Estate of Mary Farnum Brown. Additions were made by T. Wistar Brown in 1894, \$10,000 for a lecture fund, and in 1913, \$20,000. In 1916, after T. Wistar Brown's death, there was added to this fund \$34,499.78 par value of securities, book value, \$30,149.78, being a trust which he had created for this purpose in 1908 and to which he had made additions in subsequent years. Present book value, \$65,388.57. The purpose of this fund (except \$10,000) is for the increase and extension of the Library. The income only is to be used for the purchase of books, and one-fifth of same is to be spent for books promoting the increase of Christian knowledge. The books purchased with the income of this fund are marked by a special book-plate. The income of \$10,000 of the fund is to provide for an annual course of lectures upon Biblical subjects designated "The Haverford Library Lectures." Unused income from the fund, if any, must be capitalized at the end of each fiscal year.

### **WILLIAM H. JENKS LIBRARY FUND**

Founded in 1910 by gift of \$5,000 from Hannah M. Jenks, widow of William H. Jenks. The fund was first known as "Special Library Fund," but after the death of Hannah M. Jenks was changed, in 1916, to "William H. Jenks Library Fund." Present book value, \$4,817.71. The purpose of this fund is that the income shall be used for the care of the collection of Friends' books made by William H. Jenks and given by his widow to Haverford College, and to make appropriated additions thereto. Any income not used for these purposes may be used toward the general needs of the Library.

### **MARY WISTAR BROWN WILLIAMS LIBRARY FUND**

Founded in 1914 by gift of \$20,000 from Parker S. Williams, '94, as a memorial to his late wife, Mary Wistar Brown Williams. Present book value, \$19,566.40. The income only is to be used for the purchase of books for the Library, preferably books coming within the classes of history, poetry, art, and English and French literature. The books purchased with the income of this fund are marked by a special book-plate.

### **ANNA YARNALL FUND**

Founded in 1916 by residuary bequest of \$13,000 par value of securities with book value of \$7,110, and one-half interest in suburban real estate from Anna Yarnall. Additional amount under bequest was received in 1918. Present book value, \$166,842.34. The real estate was sold in 1923 and netted the College

\$164,820.50. The bequest was made for the general use of the Library. The Testatrix says, "I do not wish to restrict the managers as to the particular application of this fund, but desire them to use the income arising from it as in their best judgment and discretion shall seem best, for the purchase of books and manuscripts, book cases, rebinding of books, and, if need be, the principal or portions thereof, or the income or portions thereof, for additions to the present Library building, or the erection of new Library buildings. I direct that all books purchased with this fund shall be plainly marked 'Charles Yarnall Memorial' in memory of my father, Charles Yarnall."

#### **F. B. GUMMERE LIBRARY FUND**

Founded in 1920 by gift of \$635.47, raised among the students by the Students, Association of the College as a memorial to Professor Francis Barton Gummere. The income only is to be used to buy for the Haverford College Library books on the subjects that he taught or was interested in.

The student's Association voted also to raise twenty-five dollars for a special shelf in the Library to be known as the "F. B. Gummere Memorial Shelf." This shelf, with its proper inscription, holds the books purchased by this fund. Present book value, \$612.30.

#### **EDMUND MORRIS FERGUSSON, JR., CLASS OF 1920 MEMORIAL FUND**

Founded in 1920 by memorial gift of \$1,000 from the family of Edmund Morris Fergusson, Jr., Class of 1920, who died at the College in his Senior year. The income only is to be used for the maintenance and increase of the Library's Department of English and American Literature. The books purchased with the income of this fund are marked by a special book-plate indicating its source. Present book value, \$965.80.

#### **CLASS OF 1888 LIBRARY FUND**

Founded Sixth Month 15, 1938, by gifts totaling \$5,250 from members and families of the Class of 1888, on the occasion of their fiftieth anniversary. The conditions of the gift are as follows:

- (1) A fund is to be established, to be known as "THE CLASS OF 1888 LIBRARY FUND."
- (2) The income only of this fund is to be used exclusively for the purchase of books for the Haverford College Library, except as noted below (in Clause 6).
- (3) The fund established now will be added to later by gift or bequest.
- (4) Members of the Class also expect to donate books to the Library, with the understanding that when such books are duplicates of books already in the Library, they may be exchanged for books needed, or sold, and the money so obtained used in the same way as the income of the fund.
- (5) All books purchased by the income of the fund (or obtained as in 4) are to be provided with a special book-plate to be furnished by the Class.
- (6) Income from the Class Fund or moneys obtained by sale of duplicate books may, when necessary, be used for binding or repair of books designated as belonging to the Class collection. Additional donations were made as follows: \$500 in 1939-40; \$100 in 1943-44; \$500 in 1944-45 and \$200 in 1945-46. Present book value \$6,341.02.

#### **CLASS OF 1918 LIBRARY FUND**

Founded Third Month 24, 1938 by gift from the Class of 1918 in commemoration of their twentieth anniversary. The gift was \$1,753.52 of which \$500 was spent for a portrait of the late Rayner W. Kelsey, Professor of History, who died Tenth Month 29, 1934; and the balance of \$1,253.52 was used in establishing a new Library Fund, the income to be used for books. Present book value, \$1,207.83.



### **QUAKERIANA FUND**

Founded 1st Month 8, 1947, by gift of \$600 from President Emeritus William Wistar Comfort '94, as explained in letter from him as follows: "In 1940 some Alumni gave me a sum of money to buy books for myself. This I have done, and now there remains \$600 which I wish to make over to the Corporation, the interest of which may provide books or manuscripts for the Quaker collections. As a compliment to the donors of the fund, I should like the enclosed bookplate to be inserted in such future purchases."

### **FUNDS FOR PENSIONS**

#### **PRESIDENT SHARPLESS FUND**

Founded in 1907 by contributions from interested friends of the College, finally amounting to \$40,000. Present book value, \$39,733.67. The income is to be used for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

#### **WILLIAM P. HENSZEY FUND**

Founded in 1908 by gift of \$10,000 from William P. Henszey, donated in connection with the raising of the President Sharpless Fund, but kept as a separate fund. Increased in 1909 by legacy of \$25,000 from William P. Henszey. Present book value, \$35,418.53. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

#### **JACOB P. JONES BENEFIT FUND**

Founded in 1909 and increased in 1910 by proceeds of land sold for account of Jacob P. Jones legacy. Present book value, \$65,630.50. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

#### **PLINY EARLE CHASE MEMORIAL FUND**

Founded in 1909 by transfer to the College of a fund raised in 1887 in memory of Professor Pliny Earle Chase, and amounting to par value of \$4,173.04. Present book value, \$3,152.93. The income of this fund is used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. This income is transferred annually to the Haverford College Pension Fund, for old style pensions, or, if not needed for pensions, is capitalized in said fund.

#### **HAVERFORD COLLEGE PENSION FUND**

Founded in 1920 and added to since, being accumulations of income from the President Sharpless Fund, the William P. Henszey Fund, the Jacob P. Jones Benefit Fund and the Pliny Earle Chase Memorial Fund, not needed for pensions. Present book value, \$107,955.98. The income from this fund, together with the income from the four above-mentioned funds, is used for old style pensions. Income not needed for pensions was capitalized until 1932; then any unused income was used toward the College's share in cost of new contributory pensions with the Teachers' Annuity and Insurance Association. Now the old style pensions call for more than the income of all these Pension Funds. When the proper time comes in an actuarial sense, the principal of this fund can be used as well as the income for the old style pensions until they cease.

## FUNDS FOR SPECIAL PURPOSES

### THOMAS SHIPLEY FUND

Founded in 1904 by gift of \$5,000 from the late Samuel R. Shipley as a memorial to his father, Thomas Shipley. Present book value, \$5,056.68. The income only to be used for lectures on English Literature at the College. In case of actual need, at the discretion of the President of the College, the income can be used for general expenditures.

### ELLISTON P. MORRIS FUND

Founded in 1906 by gift of \$1,000 from Elliston P. Morris, '48. Present book value, \$1,085.68. The income is to be used as a prize for essays to be written by students on the subject of Arbitration and Peace. "The Elliston P. Morris Prize" of \$40 is given in each year, the competition being open to all undergraduates and to graduates or not more than three years' standing.

In 1929, it was determined, with the consent of the family of Elliston P. Morris, that when the prize is not awarded the income may be used for the purchase of library books on arbitration and peace.

### JOHN B. GARRETT READING PRIZE FUND

Founded in 1908 by a gift of \$2,000 par value of bonds by the late John B. Garrett, '54. It was the purpose of the donor to ensure the permanence of a prize or prizes for Systematic Reading, which he had given for a number of years. The prizes were not awarded from 1922 to 1939 on account of default of the bonds. Reorganization has resulted in 1939 in sufficient recovery of value to provide again for this prize. Present book value \$2,189.40.

### SPECIAL ENDOWMENT FUND

Founded in 1909 by gift of \$12,000 par value of bonds, book value \$11,800, from an anonymous donor. Present book value, \$8,890.67. The income only of this fund to be used "to furnish opportunity for study of social and economic and religious conditions and duties connected therewith, especially from a Christian point of view." The income is used toward the expenses of Summer Schools for Religious Study, which have been held at Haverford and Swarthmore Colleges from time to time, and also for religious education under Friends' care.

On Fifth Month 16, 1930, the Managers adopted the following amendment, made at the suggestion of the donor, now revealed to be John Thompson Emlen, 1900: "If, however, it shall in the course of time be deemed advisable by the President and the Managers that the income of this fund can be used more profitably by the College for other purposes than those herewith stated, it is my desire that they shall act in accordance with their judgment."

### SCHOLARSHIP IMPROVEMENT PRIZE FUND

Founded in 1913 by gift of \$2,000 par value of bonds, book value, \$1,200, from John L. Scull, '05. Present book value, \$2,213.14. The income only to be used to establish two prizes of \$50 and \$45 annually to the two students in the graduating class showing the most marked and steady improvement in scholarship during their college course.

### ELIZABETH P. SMITH FUND

Founded in 1915 by bequest of \$1,000 from Elizabeth P. Smith. Present book value, \$1,680.48. The income only to be used as a prize for the best essays on Peace written by students of the College.

### **S. P. LIPPINCOTT HISTORY PRIZE FUND**

Founded in 1917 by gift of \$2,500 par value of bonds, book value, \$2,546.88, from beneficiary of the estate of S. P. Lippincott, '86. Present book value, \$2,454.02. The income only to be used as an annual history prize, which is designated "The S. P. Lippincott History Prize." The award is to be made on the basis of a competitive essay. In any year when no award is made, the income is to be used for the purchase of library books in the field of the unawarded prize.

### **FRANCIS STOKES FUND**

Founded in 1919 by gift of \$5,000 in securities, book value, \$5,000, from Francis J. Stokes, '94, in memory of his father, Francis Stokes, of the Class of 1852, and a Manager of Haverford from 1885 until his death in 1916. Present book value, \$4,933.63. The income is to be used for extending the planting of trees and shrubs on the College grounds. The wish is expressed, but not as a binding condition of the gift, that the Campus Club should have the direction of the expenditure of this income.

### **GEORGE PEIRCE PRIZE FUND**

Founded in 1919 by gift of \$600, and increased in 1920 by further gift of \$400, from Harold and Charlotte C. Peirce in memory of their deceased son, George Peirce, '03. Present book value \$2,494.18. The income only is to be used for a prize, to be called the George Peirce Prize in Chemistry or Mathematics, to the student who, in the opinion of the Faculty, has shown marked proficiency in either or in both of these studies and who wishes to follow a profession which calls for such preparation. Unused income is capitalized, as requested by the founders of the fund.

### **LYMAN BEECHER HALL PRIZE FUND**

Founded in 1924 by donation of securities of par value, \$2,000, book value, \$1,820, from the Class of 1898 in commemoration of their 25th anniversary of graduation to establish an annual prize of \$100 in Chemistry in honor of Doctor Lyman Beecher Hall, Professor of Chemistry at Haverford College from 1880 to 1917. Present book value, \$2,076.43.

### **NEWTON PRIZE FUND**

Founded in 1925 by donation of five shares of General Electric Co. stock by A. Edward Newton, par value, \$500, and book value, \$1,348.25. Present book value, \$1,346.79. The income only is to be used for "The Newton Prize in English Literature to the undergraduate who shall submit the best essay on some subject connected with English literature." In 1930, the award was changed to be on the basis of Final Honors, and in any year when no award is made the income is to be used for the purchase of library books in the field of the unawarded prize.

### **EDWARD B. CONKLIN ATHLETIC FUND**

Founded in 1925 and added to in 1926, 1927 and 1929 by Frank H. Conklin, '95, in memory of his brother, Edward B. Conklin, '99. Present book value, \$2,312.51. The income is to be used without restriction in any branch of athletics

### **ARBORETUM FUND**

Founded in 1928 by setting aside \$5,000 from proceeds from sale of 5.811 acres of land on the southern boundary and southeast corner of the College farm. Until otherwise ordered by the Managers, the fund is to be invested and the income only is to be used under the direction of the Campus Club for trees and shrubs upon the College grounds, or for their care, or for other similar purposes. Present book value, \$4,420.49.

### **WILLIAM ELLIS SCULL PRIZE FUND**

Founded in 1929 by William Ellis Scull, '83, by a gift of \$2,000. The income is to be used annually, so long as the Managers may judge expedient, as a prize to be awarded at Commencement by the Faculty to that upper classman who in



their judgment shall have shown the greatest improvement in voice and the articulation of the English Language. The prize is to be known as "The William Ellis Scull Prize," Present book value, \$1,927.09.

### C. WHARTON STORK ART FUND

In First Month, 1930, C. Wharton Stork, of Class of 1902, donated to the Corporation securities of a then value of \$69,000 on account of a contemplated gift for the purpose of erecting, equipping, and furnishing an Art Museum at the College. Purchases were made by C. Wharton Stork of paintings, which are hung in the Library. This fund is to be liquidated and is not included in the total of the funds.

### PAUL D. I. MAIER FUND

Founded Tenth Month 7, 1936, by bequest of \$1,000 from Paul D. I. Maier, '96, of Byrn Mawr, Pa. The bequest provides for the continuance of the Class of 1896 Prizes of \$10 each in Latin and Mathematics, and any balance of income is to be used for general purposes. Present book value, \$963.54.

### STRAWBRIDGE OBSERVATORY MAINTENANCE FUND

Founded Second Month 13, 1937, from donations of \$5,627.37 from members of the Strawbridge family, being the amount in excess of the actual cost of the re-building and reequipment of the William J. Strawbridge, '94, Memorial Astronomical Observatory. The income is used for the maintenance and equipment of the observatory. The principal can be used for additional equipment, if so determined by the Board of Managers. In 1938 and 1939 an astrographic camera was so purchased at a cost of \$1,787.83. Present book value \$3,699.55.

### JACOB AND EUGENIE BUCKY MEMORIAL FOUNDATION

Founded Sixth Month 4, 1942 by gift of \$2,000.00 from Colonial Trust Company of New York and Solomon L. Fridenberg of Philadelphia, co-trustees under the will of Eugenie Bucky, deceased (late of New York), the income only to be used. At the same time accumulated income of \$2,000.00 was also donated as Bucky Foundation Gift, this amount to be available for use for the same purposes as the income of the Foundation. Extracts from Mrs. Bucky's will and codicils in reference to the purposes of the Bucky Foundation are here made as follows:

"The purpose or object of such a Foundation or Fund is and shall be for the encouragement of them who seek new truths, and who endeavor to free and clear from mystery and confusion our knowledge concerning God<sup>1</sup>; and thereby to enforce more effectively the common laws of mutual love and obligation, peace and goodwill, between and among our several creeds, races, nations, and markets.<sup>2</sup>

"My aim, intention, purpose and object is to help in promoting piety among men, enlightening their ignorance and bettering their condition, by making more and more extensive and by spreading among the public at large not only the preaching but also the practicing of the words of the . . . American motto 'In God We Trust' and of the . . . Preamble to the Constitution for the United States of America. I believe and therefore I aim, intend and purpose that the uplifting of men, women and children to the standard of life taught in the Scriptures and the Constitution for the United States of America is indeed the work of Charity, dispels ignorance, inculcates generous and patriotic sentiments, and fits the public groups and the individual men or women for their good usefulness in the American Commonwealth."

1. Associated with the American motto "In God We Trust."

2. Associated with the Preamble of the Constitution for the United States of America—"to form a more perfect union, establish justice, insure domestic tranquility, provide the common defense, promote the public welfare, and secure the blessings of liberty to ourselves and our posterity."

In 1945-1946 a further gift of \$1,000 from the Trustees was added to the fund. Unused income, if any, has also been capitalized. Present book value, \$3,503.67.

## MATHEMATICS DEPARTMENT PRIZE FUND

Founded May 20, 1943 from gifts totaling \$900.00 of members of the Mathematics faculty and others. A further gift of \$125 was made in 1943-44. The unused income is added to principal. This capitalized the annual prizes that had been given by the Mathematics professors for many years.

The Mathematics Department Prizes for freshmen, \$25.00, are awarded annually, in competition, by examination. Present book value, \$1,148.60.

## WILLIAM T. ELKINTON FUND

Founded Ninth Month 6, 1944, by bequest from William T. Elkinton, of Philadelphia, arising from a Trust set up by him during his lifetime. The principal was \$2,491.50 and income received, \$11.11, a total of \$2,502.61. After the death of a life beneficiary, the Trust provided: "to pay over, assign and transfer one of said equal parts unto the Corporation of Haverford College (a corporation of the State of Pennsylvania); the principal fund thus passing to said Corporation to constitute a part of such endowment as may be established at Haverford College as a fitting memorial of Friends' relief work abroad, which memorial 'should foster the peaceful relations of the United States with foreign countries by acquainting our youth with the principles of European governments and with international problems'; provided however, that if no such Endowment should be established at Haverford College prior to the expiration of one year after the principal of the Fund hereby conveyed becomes distributable under the provisions of this deed, the said one-third part of the fund hereby conveyed shall be devoted by the Corporation of Haverford College for such other purpose as the Trustees acting hereunder, their survivor or successor, shall designate, preferably for the furtherance of education in some form at Haverford College or for providing assistance in the form of scholarships to promote education."

In accordance with a suggestion from President Morley, concurred in by Thomas W. Elkinton representing the Trustees, the Managers voted on Ninth Month 22, 1944, that "the income until otherwise directed, is to be used for traveling and other expenses in the attendance at intercollegiate conferences for discussion of international problems by representatives of the International Relations Club at Haverford." The Trustee further stated "as long as the activities of the Club are closely related to 'acquainting our youth with the principles of European governments and with international problems,' the use of the income by the Club would be satisfactory."

## TILNEY MEMORIAL FUND

Founded in First Month, 1945, by gifts totalling \$2,000 by I. Sheldon Tilney, 1903, in memory of his parents, John S. and Georgiana E. Tilney. The income is to be used "to try to influence the student body towards a more religious viewpoint of life." Permission was also granted by the donor that "the income may be used also in connection with a scholarship for students in the field of Philosophy or Biblical Literature."

In 1945-1946 the fund was increased to \$5,000, by gifts of \$1,000 from Georgiana S. Kirkbride and \$2,000 from Robert W. Tilney, sister and brother of I. Sheldon Tilney. Present book value, \$5,000.

## CLASS OF 1902 LATIN PRIZE FUND

Founded Second Month 2, 1945, by gift from Class of 1902 of \$142.90, being proceeds of sale of security formerly purchased and held by the Class to perpetuate a Latin Prize of \$10 annually at Haverford. The Class had donated the income for this prize since 1913. An unused balance of \$39.00 of such donations was transferred to the income account of this fund.





## STATED MEETINGS OF THE CORPORATION AND THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth Month, at 3 o'clock p.m.

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The Stated Meetings of the Managers for 1947-48 will be held on the second Sixth-day of First and Third Months, and on the third Sixth-day of Fifth, Ninth and Eleventh months.

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## LEGACIES

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

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### FORM OF BEQUEST OF PERSONAL PROPERTY

*I give and bequeath, free and clear of all estate, inheritance or other similar taxes, unto the Corporation of Haverford College, the sum of*

.....*Dollars.*

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### FORM OF DEVISE OF REAL ESTATE

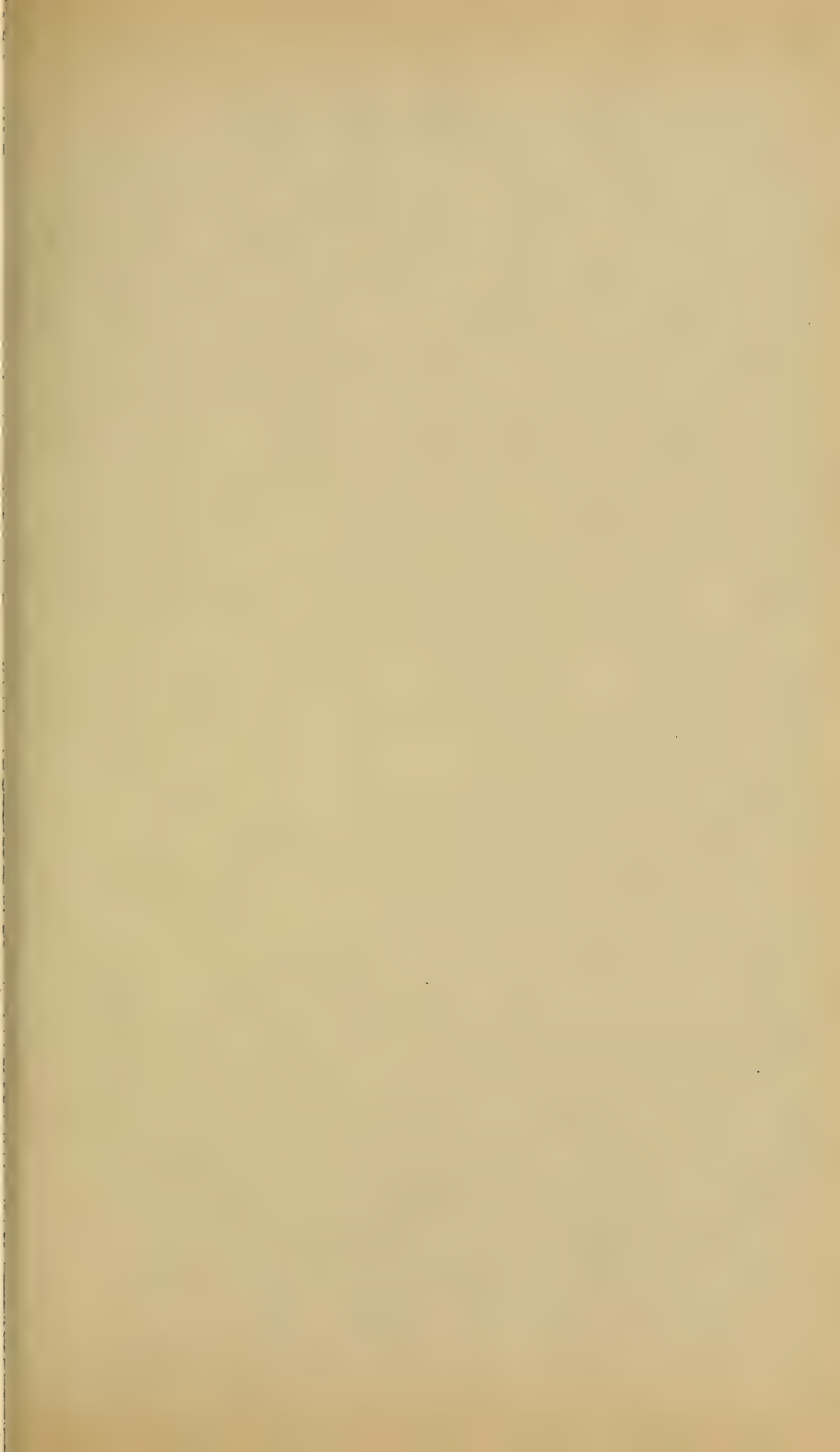
*I give and devise, free and clear of all estate, inheritance or other similar taxes, unto The Corporation of Haverford College, its Successors and Assigns, in fee, the following described real estate: (Here describe the real estate.)*











Issued October, November, December and  
February by Haverford College, Haverford, Pa.

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# HAVERFORD COLLEGE BULLETIN



REPORT OF THE PRESIDENT

1946 - 1947

VOLUME XLVI

NUMBER FOUR

FEBRUARY, 1948



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REPORT OF THE PRESIDENT  
*Presented at the*  
*Annual Meeting of the Corporation*  
*of Haverford College*  
*October 28, 1947*

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**S**HARPENED academic aims, broadened concern for non-academic instruction, a renovated physical plant, and a new schedule of student fees appear to have been the four principal developments during the past year at Haverford. With student enrollment at a new peak, the demands upon all college facilities were great. Heavy expenditures for repairing the plant were made at the same time that the schedule of student fees was revised to meet rising living costs. Those adjustments in plant and finance were important but were secondary by comparison with the outlines of a new college program which began to take shape as the outcome of several years of faculty study.

#### THE NEW COLLEGE PROGRAM

The report of the College Program Committee was reviewed by alumni groups last Spring and now is before the Board of Managers for final action. From its terse paragraphs we can catch a new vision of an educational effort to develop men who will give life to the ideals for which the college in its present form stands. The program proposes that the academic instruction offered by the college shall be centered upon the wise valuation of ends and means, and shall deal with methods of thinking and of communicating thought. It stands firmly for the cultivation of the intellect as the primary academic goal. Under it, the liberal education which Haverford should seek to give is as valid for the man who is going into medicine as the man who is going into business or the law.

The new program encourages that non-academic instruction which cultivates aesthetic perception and the creative use of materials. All students would be offered experience and skilled guidance in those directions. The program also holds that creative sharing in group life may be of profound

influence in the development of concerned, courageous men. In these and other ways the new program seeks to cultivate qualities of character and perception which do not belong in a formal curriculum, but are essential to a well-formed man.

The basic importance of religious belief is recognized in the program's emphasis upon the Friends Meeting for worship and upon ordering the whole life of the college so that Friends ideals may be felt in everyday action. That requires a close sense of community which probably cannot be attained with a number of students exceeding that of recent years.

As the program goes into action the faculty will seek to evaluate each step and to find out as accurately as possible what happens to the student's intellect and aspirations during his college experience. The small size of our student body will make it possible to appraise the effects of new methods upon a representative group at a relatively low cost.

This vision calls for a Haverford with a more rigorous adherence to intellectual fundamentals than any American college has yet attained, and which will resist the tide of vocationalism in higher education. It is a vision of a vigorous development of the full human personality through non-academic instruction in which creative arts and service projects will figure largely, and it thus rejects the concept that liberal education applies only to the mind. It demands a small religiously centered community at a time when many other institutions strive for bigness and when most of them are in grave danger of a military direction of both research and instruction. It believes that only through such education can we help train men whose minds and hearts are suited to fashioning a peaceful world.

The new program sets high aims which we are now far from reaching. Without sacrificing any of the high standards of scholarship or any of the intimacy of community life which have characterized Haverford in the past, it proposes important changes in the educational process. Only a few of those changes show in the following review of the year. Most of them lie in the future. The chief significance of 1946-47 lies in having defined a program that calls for the maximum of imaginative and discerning help by students, faculty, alumni, administration, and friends.

## THE YEAR IN REVIEW

### STUDENTS

Enrollment reached a new high of 503 during the second semester of the year. This number exceeded the size of the group which we believe is best suited to development of individual responsibility and expression in com-

munity life, but it was required by our policy of admitting any undergraduate student who previously had been admitted and who wished to return to Haverford.

The swollen enrollment included men more nearly mature and more experienced than in any preceding year. More than half of the men were returning veterans, a considerable number had served in Civilian Public Service and in the American Field Service, and 33 of them were married. They were generally serious and purposeful in their studies. They showed inquiring minds which raised the standards of academic performance notably.

Having a wider span of age and experience than the students before the war, they lacked unity and organization. This lack of unity showed itself in apathy toward some traditional student affairs and in difficulty in administering the honor system, which had been greatly expanded while the student body was small during the war. Attendance at Collection and at Meeting was accordingly removed from the honor system, and special provisions were made for supervision of reserve books in the Library. Other aspects of student government remained unchanged, although some of them received critical appraisal by the Student's Council.

Pertinent statistics for student enrollment are given in the accompanying tables.

### *FACULTY*

Unlike many other colleges, Haverford experienced only slight turnover in its faculty. We were fortunate in retaining all our experienced and valued teachers who have been on long-term appointment with the college.

The passing of the war emergency made it possible to return to the system of sabbatic leaves. Leaves were granted to the following men for experience which has since enriched the life of the college: Thomas E. Drake for research in American History, Harry W. Pfund and Howard M. Teaf, Jr., for service with the American Friends Service Committee in Germany and Finland respectively, and Richard M. Sutton for inspection of physics research laboratories.

I am especially glad to report the return this autumn of Thomas O. Jones after a leave of three years. New appointments this year include John Ashmead in English, Donald Thomsen in Mathematics, John Baer in Chemistry, and William Sollmann in Government. Sabbatic leave for the current year has been granted to John Kelly, Cletus Oakley, L. Arnold Pořt (second semester), Ralph Sargent and Douglas Steere. To serve in their places we have been favored in obtaining Friedrich Bruns, Arthur B. Coble, Franklin Gary and J. Glenn Gray. Ira De A. Reid was appointed as Professor of Sociology, effective September, 1948.

One new appointment, that of Frances de Graaff as Assistant Professor of Russian, was made jointly with Bryn Mawr, and another, that of Paul Schrecker as Professor of Philosophy, was made jointly with Bryn Mawr and Swarthmore.

The scholarship and community service of the faculty are recorded in the accompanying statement of publications and activities.

### *CURRICULUM*

A new system of Limited Electives went into effect for the students who entered during the year. Requirement of at least two years of work in each of the three college divisions—the Humanities, the Social Sciences, and the Natural Sciences—is designed to acquaint the student with the basic ideas and methods in each of those fields and to secure a breadth of outlook regardless of the field of concentration which he may select.

New courses were introduced in the Russian language, in philosophy, and in psychology. Plans were completed for general courses in the humanities, biological science and physical science as steps toward the new academic curriculum. Those three courses are now being offered.

A few classes were unduly crowded but on the whole the class size was held to suitable limits and allowed for a large degree of individual instruction.

### *NON-ACADEMIC INSTRUCTION*

In March 1947, the faculty adopted a policy under which non-academic instruction would be offered in graphic and plastic art, dramatic art, music, crafts, public speaking, and service projects. Specific offerings are now being planned with a view to introducing some of them in September 1948.

One important experiment in that direction was made during the summer of 1947 with ten Haverford men who combined Spanish-language instruction with the group life and work of an American Friends Service Committee service project in the village of Yautepec, Mexico. Training in Spanish proved relatively effective and led to the granting of academic credit, but the major benefits seemed to have come from the effects which the service had upon social attitudes and motivation. I believe that in such service projects we may have an educational method of deep value and that it deserves much wider experimentation and evaluation.

### *PLANT*

Extraordinary repairs were undertaken on a large scale in order to preserve buildings on which maintenance had been deferred during the war. More than \$100,000 was spent on wiring, roofing, plumbing, heating and masonry



repairs. We now feel that the physical plant is in reasonably good shape and that we are staffed so as to prevent the accumulation of similar deterioration in future. Underwriters' requirements have been met largely.

Among the improvements made in the plant during the year were the installation of the college store and snack bar in the basement of the Union, the moving of the Comptroller's office to Whitall Hall, installation of electronics equipment and of new laboratory facilities in the basement of Sharpless Hall, and a fire alarm system in Founders Hall. A planetarium of new design was installed in the Strawbridge Observatory.

A set of movable grandstands was presented to the college by the Triangle Society, and new plantings of trees and shrubs along the Nature Walk were made by Edward Woolman. The Campus Club continued its helpful measures to protect the trees and lawn.

We attempted to make the college plant serve as many people as possible during the past summer, and to that end allowed its use by Friends', Methodist, Presbyterian, and Cooperative League groups. This is a form of community service which we should expand.

### ALUMNI RELATIONS

The college joined with the Alumni Association in initiating the publication of *Haverford Trends* and in arranging several events which brought alumni back to the campus. The pleasant visits which I had among alumni groups in Baltimore, Boston, New York, Philadelphia, Pittsburgh, Washington, and Wilmington convinced me that the college has a responsibility to strengthen its service to alumni through published information and through special programs for them. At the same time the college can benefit from their advice in vocational guidance and as to college offerings.

In order to find out what the alumni know and think of the college, a special committee of alumni, under the chairmanship of Robert Locke, was appointed to supervise a survey of knowledge and opinion among the Haverford constituency. That survey is in progress and will cover numerous questions ranging from college curriculum to finances.

The Alumni Fund continued to be an important factor in sustaining the college finances. More than 110 new contributors were added to the base which had been built up in previous years.

### FINANCES

We completed the year with an operating gain. This was made possible by astute management of investments by the Board's Finance Committee, and of campus expenditures by the Comptroller.

At the beginning of the year the Board of Managers, after canvassing the economic situation, decided to make adjustments in faculty salaries in order to offset the rapidly increasing cost of living. Those adjustments were upon a temporary basis and were later superseded by a permanent increase in salary levels, averaging 10 percent, effective September 1, 1947.

In preparing the budget for the year ahead, five elements of student expense were changed: (1) tuition was increased from \$500 to \$600; (2) room rentals were increased, on the average, by approximately 10 percent; (3) a "unit fee" of \$55 was introduced in place of the previous scattered individual fees for student activities, health service, accident insurance, and laboratories; (4) funds reserved for student aid and scholarships were increased by 75 percent; and (5) the Student Loan Fund provisions were liberalized. These changes had the effect of raising income from student fees to offset increased costs of operation, and, at the same time, of providing enlarged student aid. Recipients of regular endowed scholarships were relieved of any responsibility for labor in return for the scholarship payments, a system which had prevailed for many years. While we regretted the necessity for the tuition increase, we were happy to be able to carry it through in such fashion that no student was forced to withdraw from college because of finances. We also were happy to add to the offerings of scholarship aid with the help of new scholarships endowed by Mrs. Joseph Markley and by Anne and Joseph Birdsall.

## NEEDS OF THE COLLEGE

If we are to realize the high aims that have been set under the new college program we will need to revise our financial policy in certain respects and to seek financial support for the improvements which it assumes.

Further development is handicapped by lack of reserves against which improvements may be projected. We finished last year with an operating gain, and we will do so this year, but the gains will be applied against debt and will not give the flexibility that we need in planning. At present we are forced to use the generous contributions to the Alumni Fund in the same year that they are collected. Our position would be eased somewhat if we were to hold the Alumni Fund for expenditure the following year rather than the same year. It is possible that this shift may be made during 1947-48 by foregoing all or a part of the Alumni Fund income during that period and reserving it for use the following year.

In the long run we shall need increased endowment or expendable funds in order to carry out the college program. We are not yet prepared to submit detailed estimates of cost, but we can foresee that funds will be required for

(1) increased faculty salaries, (2) initiating non-academic instruction, (3) lectureships, (4) two new buildings to provide athletic and residential facilities, and (5) scholarships.

We cannot feel secure in our present financial position. Our salary scale is still too low to hold for long the quality of faculty which we need. When the present load of students receiving government tuition aid has passed, it will be impossible to have a representative type of student body unless scholarship aid is increased. A substantial increase in college income from endowment or from annual giving will be essential to maintenance of present standards.

All of our planning is in terms of a student body of approximately 400, a figure which is subject to further study and revision. No large expansion of either student body or physical plant is contemplated.

We must try to see our effort here in relation to the whole field of higher education. That presents a puzzling and disturbing picture. This is a time of unprecedented demand on the part of students for college education, and on the part of industry and universities for professional graduates. The emphasis is inevitably upon numbers. There is a strong push for compulsory public education through the 13th and 14th grades. Publicly supported institutions are expanding at a tremendous rate. Private institutions are paying for increased costs from increased tuition fees, and thus are excluding many good students. There is insistent demand for a Federal scholarship plan for students reaching college age to replace the present G. I. aid. The great universities are operating their scientific departments in considerable measure upon grants from the Army, Air Force and Navy. Universal military training is proposed as a system which could well come to dominate the character of undergraduate instruction for young men.

What is the place of Haverford in that picture? Its place, I feel, is virtually unique. It is proposing to remain small, to demonstrate a unified education, and to test critically new methods for such education. With other privately endowed institutions that are not dependent upon Federal support, it stands as a challenging example for public institutions.

Recently a British visitor asked "How many Americans are studying for the bachelor's degree?" 2,000,000 was the answer. He was asked how many British were studying. 50,000 was the answer. And then he asked a question which we all must try to answer, "What will you do with your 2,000,000?"

It seems to me that Haverford is seeking in its way for that answer. Vocational education is not the answer. Haverford's response is that we should provide those 2,000,000 with the type of education which will help

make them courageous and effective citizens of high ideals regardless of the occupation that they may find—farmer or college professor, doctor or locomotive fireman. We are seeking that type of education. We are an institution that probably needs least to do so; we could keep our classes filled exclusively with pre-professional students. Actually, we are extraordinarily well fitted to make the effort. We can test new methods at low cost; we have a tradition of scholarship; we have a Quaker heritage and in that tradition a tolerant constituency; we are a community that shares deep convictions as to the integrity of the individual man. The past year has seen us lay our course to use those resources more effectively.

GILBERT F. WHITE

# STATISTICS FOR REPORT OF THE PRESIDENT

1946 - 1947

## ENROLLMENT

Fall Semester, 1944 .....	125
Fall Semester, 1945 .....	172
Spring Semester, 1946 .....	280
Fall Semester, 1946 .....	492
Spring Semester, 1947 .....	503
Fall Semester, 1947 .....	552

## COMPOSITION OF THE STUDENT BODY, FALL SEMESTER, 1947

The student body represents 29 states. In addition, the Panama Canal Zone, Honolulu, and the following foreign countries are represented: British West Indies, Belgium, Canada, China, Costa Rica, East Bermuda, India and Mexico.

Students who are members of the Society of Friends number 77, or 13.9 per cent of the total.

## REGISTRATION IN ACADEMIC COURSES

<i>Department</i>	<i>Registrations*</i>							
	1947	1946	1945	1944	1943	1942	1941	1940
Astronomy .....	18	12	1	0	1	15	22	43
Biblical Literature .....	36	33	1	12	3	12	18	27
Biology .....	56	93	61	32	46	66	81	92



	1947	1946	1945	1944	1943	1942	1941	1940
Chemistry .....	232	193	79	54	78	228	224	180
Economics .....	226	115	30	22	27	124	147	155
Engineering .....	39	43	17	15	25	95	74	62
English .....	353	422	151	101	77	195	224	187
French .....	120	107	43	26	25	36	64	93
German .....	157	140	56	59	52	117	100	111
Government .....	216	148	31	36	34	94	100	121
Greek .....	46	30	2	7	6	24	18	12
History .....	177	208	94	60	45	98	143	156
Latin .....	15	12	8	4	5	30	24	29
Mathematics .....	184	198	68	50	59	162	158	121
Music .....	11	25	7	14	5	31	18	23
Philosophy .....	284	181	56)	37	35	86	99	95
Psychology .....	93	97	27)					
Physics .....	76	73	34	35	58	120	77	83
Russian .....	8	8	0	0	0	0	0	0
Sociology .....	108	153	42	14	28	43	72	82
Spanish .....	100	84	22	20	21	65	48	12

#### *General Courses*

Biological Science .....	63	0	0	0	0	0	0	0
Humanities .....	19	4	6	0	0	0	0	0
Physical Science .....	52	0	0	0	0	0	0	0

\* Statistics show the registrations for the Fall Semester of each year.

#### HAVERFORD STUDENTS AT BRYN MAWR

Economics .....	1
English .....	10
French .....	2
History of Art .....	13
Mathematics .....	2
Music .....	4
Philosophy (Seminar) .....	1
Physics .....	2
Politics .....	3
Psychology .....	16

#### HAVERFORD STUDENTS AT SWARTHMORE

Music .....	4
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## HAVERFORD STUDENTS AT UNIVERSITY OF PENNSYLVANIA

American Civilization .....	1
Insurance .....	1
Metallurgy .....	1
Political Science .....	2
Sociology .....	1

### DEGREES GRANTED, JUNE 7, 1947

B. A. ....	67
B. S. ....	9
M. A. ....	9
Honorary Degrees .....	2

## REPORT OF THE LIBRARIAN

1946 - 1947

### INTRAMURAL PROBLEMS

*The Library Staff:* In the Library, as in all other walks of life today, the most serious aftermath of the War is the dislocation of personnel. A curious restlessness seems to militate against the maintenance of established professions and occupations (such as teachers, librarians, nurses, secretaries), while the rapid increase in the cost of living begets instability and confusion. When the cost of immediate replacement of personnel is prohibitive, we can meet emergencies only by means of makeshifts and compromises.

We ended the preceding year with hardly more than a skeleton staff and with little or no clerical help. All our personnel was now grossly underpaid by the rapidly changing standards of the post-war world. The new year began with prospects of a rapid increase in the number of students in the College and a quick return to full and normal library activity. To restore the full technical efficiency of the Library, under these circumstances, would have required an immediate *doubling* of the salary budget, with every prospect of a *triple* increase before long. In other words, we were faced with the need of enlarging the staff and at the same time increasing all salaries. An endowed college is not elastic enough to stand such a financial

strain. We could only make a temporary compromise. Raising the salaries had to take precedence over increasing the staff. At best, we could only raise the combined salaries of our existing (and inadequate) staff thirty-three-and-a-third percent; and we had to condition this on a ten percent increase in the length of the working year—which rather dimmed the effulgence of our generosity in the eyes of the recipients. A fixed salary scale was also worked out, though it was not formally adopted; but unfortunately such arrangements can be of little permanence in the present-day world.

It was hopeless to expect that we could enlarge our staff to the point where we would have enough leeway to carry out improvements, to turn occasionally to new projects, and to pay prompt attention to the legitimate wishes of donors and benefactors (who must now be content with *promises* that we will incorporate their donations of books as soon as we can get around to it).

We had to restrict ourselves, therefore, to the least possible increase in staff which would enable us to keep up with daily routine. To care for the increased work of the Circulation Department (the one department in which arrears *cannot* be allowed to accumulate) we were fortunate enough to obtain, as Assistant in this department, one whom chance brought to Haverford: Mrs. William F. Newhall, a trained librarian, who, like other veterans' wives, will be with us only until her husband completes his education. At the bottom of the ladder, moreover—i.e. in the position of stenographer and clerk—we installed a young woman, Miss Anna May Gonoude, whose industry is a happy augury of a return to stability on the part of some of the younger generation. We are fortunate, of course, not only in the acquisition of these new members of our force, but also in the quality of our permanent staff, who had to bear the brunt of the pressure during the War.

But this welcome increase in our staff was seriously impaired by the drafting of our Acquisitions Librarian (and Accountant), Miss Goldberger, to establish and manage the new College Bookstore, with the understanding that she was to put five-and-a-half hours per week on this project, i.e. to be relieved of one-seventh of her library duties. As it turned out, Miss Goldberger had to give far more than one-seventh of her time to the newly-founded Bookstore; and, with inadequate assistance, the double job proved far too heavy for any one person to manage. At the end of the year, therefore, Miss Goldberger returned to full-time work in the Library; and the Bookstore was put under the charge of a manager who could give it her undivided attention.

At the end of the year, also, we suffered a major loss in the resignation of Miss Elsa Lisle, who had done splendid work for eight years as the head of our Circulation Department. Miss Lisle left to take charge of the Circulation Department at State College, Pennsylvania—a well-deserved promotion to a larger sphere.

This at last brought us face to face with the real crux of the whole matter. To replace a trained librarian at current market rates would require a substantial increase in salary for the new incumbent and *pari passu* for the entire Library staff. Again the only solution was a temporary compromise. We promoted Mrs. Newhall—who will hardly be with us for more than a year more—to be head of the Circulation Department for the coming year; and we decided to fill the position of Assistant in this department not with a trained librarian, but with a recent college graduate *untrained* in library work. In other words, we undertook to do the training ourselves. After long and careful search we acquired a promising trainee in Miss Evelyn Clare, Wilson '47.

What, then, is to be our future policy? As regards salaries, shall we compete, in the present shortage of trained librarians, with public libraries and other institutions in which funds can be more quickly provided to meet a rising market? But this implies the risk of a corresponding reduction of salaries at some later date. Such fluctuations hardly accord with the even stability which is the chief allurements of academic life. Or shall we refuse to compete with our more favored rivals and run the risk of losing skilled and experienced members of our staff in those departments in which untrained college graduates cannot possibly do the work?

As regards size of staff, shall we remain permanently pinched, or shall we get back, at least, to the normal staff of 1941-42 (the first year in our new building), with the addition of any new positions created in the meantime (such as that of the Reserve Book Room, of which I shall speak presently)?

We are still short-handed. To enable us to function normally and to *improve* our library service along various lines (such as the maintenance of a File of Reports and Pamphlets for the Social Science Departments, care of the Gummere-Morley Room, revision and improvement of card-catalog and shelving, insertion of current Bryn Mawr cards in our Catalog, extension and speeding-up of the binding of periodicals and books), we need an Assistant Cataloger, such as we had in 1941-42. Every year, bit by bit, as our Library services keep pace with the growing complexity of our educational policy, we feel the need more and more.

*Student Assistants:* I need not here enlarge upon the question of requiring services to the College from all students holding scholarships. If originally justified as an economy measure in the almost empty college of war-time, it had ceased to work in the normal student body during peace-time. The procession of scholarship workers which passed through the library portals, requiring most of their time of service to learn the complicated techniques of their job only to leave us almost immediately after learning them—was a distraction and a handicap to an already harried library staff. With the rapid growth of student enrollment in the second semester and the tremendous increase in circulation, the system broke down completely, for we exhausted the available number of scholarship workers and were forced to return to paid help, for which emergency appropriations had to be made. The entire system I am thankful to say, has now been abolished; and we are developing trained student assistants, some of whom (as in years past) will become skilled helpers of *almost* staff caliber. For those who are attracted to it, this work also serves as a useful apprenticeship and may lead to a man's entering library administration as a profession.

*Relations of the Student Body to the Library:* I must begin with a word of unstinted praise and admiration for the high quality of student conduct in the Library during all the years I have been at Haverford. Our Library is open approximately 93 hours per week. During 43 of these hours the staff is in charge; during 50, the students. This responsibility has been carried for many years by the students with extraordinary success. Since long before the "Honor System" was ever heard of, this practical demonstration of student cooperation and reliability has been carried on without blare of trumpets. Visitors from the faculties and libraries of other Colleges and transferred students have repeatedly expressed their astonishment at the success of student management of the Library during evening and week-end hours. Credit for this goes to the whole student body, not just to the student assistants (excellent though their work has been) who sit at the Circulation Desk and earn their 45 cents an hour for keeping the records. These student assistants do not, and can not assume disciplinary charge of the Library. Save for an occasional admonishment to the noisy, practically no discipline is needed. The students know that the Library is theirs to use, and they know how to use it properly.

I do not mean to imply that Haverford students are sprouting wings. They have done a good job, a remarkable job, on the whole; but there have been weak spots. The weakest spot has been the control of reserve books. This problem has been a difficult one because it lies on the border line between morals (involving right and wrong) and routine or petty regulations. Routine regulations (enforced by small fines which are designed as reminders of date-lines and deterrents to carelessness, rather than as punishment for the com-



mission of crimes) are absolutely necessary to the orderly running of a library. They have a salutary nuisance-value. We all need them! But when books are placed on reserve by a professor—i. e. when they are rationed because of shortage—and a student sneaks a book off for his own use, depriving others of their expected share, the problem becomes more definitely ethical. It is analogous to the vexing problems of rationing, planned economy, and black-markets in the world at large; some citizens accept the ethical implications and responsibilities; some refuse and consider themselves abused!

The temptation for the student to be selfish and non-cooperative is rendered infinitely greater by the pressure of examinations. But when a procrastinating student, who finds himself behind in his work, succumbs to the temptation of sneaking off with a reserve book and making up for lost time by concentrated study *at the expense* of other classmates who need to do the same, he is guilty of a misdemeanor very different from actual cheating in examination. He is simply selfish and non-cooperative. The temptation for such action is insidious and sometimes irresistible.

When all library rules were incorporated in the new "Honor System," the elementary mistake was made of not distinguishing between immoral conduct, amenable to conscience, and routine regulations designed for the most part to check carelessness and inadvertence, which are *not* crimes. Borderline cases, which may be interpreted by one person as a thoughtless or temporary infringement of regulations and by another as a serious moral dereliction, naturally cause the greatest trouble.

It was a wise suggestion, therefore, on the part of the Student Council that the regulations concerning the Reserve Books should be removed from the honor system and that the College should make adequate provision for the routine control of these books, whereby they would become the only exception (aside from the Rare Books in the Treasure Room) to our "cafeteria" system of self-help. The policy of keeping all our books on open shelves, accessible to the readers without question or inspection, has always made the Haverford Library a distinctly cooperative project and has fostered a spirit of *noblesse oblige*.

For the proper control of reserve books, whereby every reader must sign for them for a limited period of use, we have turned two adjacent alcoves (in the old North Wing and in the "Nave") into a closed room with a counter, like that of the Circulation Desk, over which reserve books are checked out and in. Such a room has to have an attendant at all hours—a member of the Library Staff from 9 to 1 and 2 to 5, and student attendants at other hours. For this new service approximately \$2500 will have to be paid out in salaries and wages during the year. As Staff-member in charge of this room we de-



cided that we did not need a trained librarian and have obtained the services of Miss Catherine Jane Smith, Swarthmore '47. The students are already finding this overall control of reserve books a great convenience and a great improvement over the old *laissez faire* method.

*Book Funds and Donations:* After having spent the entire income of the Yarnall Fund for salaries for two years, as a war emergency measure, we have now begun reconversion on a gradual scale. For the current year the allocation was set at 10% for books, 90% for salaries. We shall presumably progress by similar annual stages until we reach the previous division of 30-70. At an earlier period the proportion was 40-60. As the need for books grows greater, as it surely will in the coming years, I hope we shall go even further, perhaps ultimately devoting the *entire* income to the purchase of books.

A new fund of \$600, the income of which is to be used for the purchase of Quaker books and manuscripts, has been donated by President *Emeritus* William Wistar Comfort. It is a welcome addition to our resources in this unique field.

The donation of all four Shakespeare Folios by William Pyle Philips '02, in memory of Professor Francis Barton Gummere, is the most valuable single gift of rare books ever presented to the College. It is as representative of one phase of the seventeenth century as our Jenks Collection and other early Quaker tracts are of another. We have here the nucleus of a seventeenth century collection of unusual interest.

The copy of the First Folio of Shakespeare which has been on loan from Mr. John L. Balderston has now been returned to its owner, to whom we are deeply grateful for the privilege of exhibiting it and having it available for study.

Our small but distinguished collection of paintings has been augmented by two loans: (1) from Miss Caroline Newton, the portraits of Dr. Johnson and James Boswell, both by Sir Joshua Reynolds, which will ultimately become the permanent property of the College through the bequest of A. Edward Newton; (2) From Mr. Peter Somers, of Bryn Mawr, five paintings of the seventeenth century—an Italian Crucifixion, painter unknown; a view of Venice by Marieschi; a large flower piece, painter unknown; an Italian landscape by the German Philip Roos (nicknamed "Rosa di Tivoli"); and a small Dutch landscape by Nicholas van Uden. From Mrs. Charles F. Griffith we received a handsome piece of Hopi pottery for our Indian Collection.

The League of Nations tapestries from the New York Worlds Fair, deposited a few years ago by Professor Benjamin Gerig, and so much admired for their decorative value and their symbolic message, have been returned to Geneva. We are grateful to have had the opportunity of enjoying them for so long a time.

We are also adding to our collection of paintings of historical value. A portrait of particular local interest, which we shall be glad to display, is that of Logan Pearsall Smith, given to the College by his sister, Mrs. Alys Russell, of London. It was painted by Roger Fry in 1922.

The Library Associates have flourished. Meetings were addressed during the year by Professor E. Grant Meade on Korea, by Mr. Henry Seidel Canby on Literature of World War I, by Mr. William Pyle Philips '02 on Professor Gummere and by Professor Ralph M. Sargent on Some New Attitudes Toward Shakespeare, and by Mr. George R. Allen '40 on Hitler—Fact or Legend. Funds have been appropriated by the Associates for the purchase not only of general books, but also of special collections for the Gummere-Morley Room under the direction of Professor Sargent.

## II

### PROBLEMS OF RELATIONS WITH OTHER LIBRARIES

Cooperation with other libraries, checked and controlled by practical considerations, continues to be fruitful.

*Bryn Mawr, Swarthmore, and Haverford:* Plans for cooperation between the Three Colleges were discussed at a joint meeting of the Managers' Library Committee and that of the Faculty on February 14, 1947. It was decided that the cost of instituting a joint catalog of all three libraries at each of the three institutions was prohibitive. Union Catalogs are expensive enough under any circumstances; their natural function is as a center or hub for the institutions of a given area (e. g. the now famous Union Catalog of the 150 or more libraries of the Philadelphia region, to which Haverford has always contributed, and I am happy to say, has recently raised its donation).

The only college near enough to Haverford to allow constant interrelations is Bryn Mawr. We have agreed to begin, as of September, 1947, to insert author-cards for Bryn Mawr's *new* acquisitions in our catalog, as Bryn Mawr does for ours. Only a special appropriation, in the neighborhood of five or six thousand dollars, will ever permit us to go back and take a complete set of Bryn Mawr author-cards, antedating September, 1947, into our catalog.

Interlibrary loans (which amount to a mail-order business) cannot be carried much beyond their present extent without providing new appropriations to cover the relatively high overhead cost. Of course, individual borrowers pay the charges of transportation, but many loans are for instruction in courses and are charged to the College. The chief cost, however, is the

time consumed by librarians in locating, fetching, wrapping, and despatching the books, and in keeping the records. As I have said before, we have a "cafeteria" system; readers help themselves. But readers *in absentia* have to be waited on.

During the past year we *borrowed* 67 books and *lent* 311. One reason for this discrepancy seems to be the fact that the larger universities and the great national libraries (like Harvard, Boston Public, Library of Congress, Chicago, and University of Pennsylvania) have been so pestered by demands for inter-library loans that they have let everyone know that they will send only those books which cannot be obtained elsewhere. Thus they have "passed the buck"; and Haverford, being one of the best *small* libraries, receives a rather large number of routine requests.

It is also clear that the success of the Philadelphia Union Catalog has had the secondary effect of rendering us more liable to requests from less-favored institutions all over the country, even from as far away as the Pacific coast.

*Nation-wide cooperation*; there are also projects now afoot for national cooperation in the acquisition of books for research. Not being a research institution (as the large universities and foundations are) we are not specifically interested in these schemes for the allocation of departments or subdivisions of knowledge to specific libraries, with the understanding that they will be responsible (theoretically) for every book and periodical published anywhere in the world on a given subject. These plans are, in my opinion, grandiose and impractical in the extreme; and I have so expressed myself in public (at the meeting of Eastern College Librarians in New York in November, 1946—see my article, mentioned in the Faculty Bibliography, on "Co-operative Acquisitions in the United States *Versus* a World Library.") The proponents of these schemes are not themselves research-men, and they seem not to visualize the practical difficulties. It would be all very well for scholars to know that every book they could possibly want for a piece of historical or scientific research was *somewhere* in the U. S. A.; but the difficulty *and the expense* of assembling, from many widely separated points, the books needed for a particular study, would be terrific. Research like that of Professor Lunt's (of which Haverford has due cause to be proud) is accomplished by starting with an adequate basic collection such as Professor Lunt himself has made at Haverford from the Scull Fund and supplementing it by traveling, borrowing, and all other available means. And what is to be done when several scattered users want the same lot of books?

The only logical solution to the almost insurmountable problems of modern scholarship lies not in scattering resources, but in centralizing them. The Library of Congress, for instance, is well on the way to become our national center—though perhaps a mid-western location would be preferable. It will

be easier in the future to whisk the scholars to the books than to freight tons of books to the scholars in thousands of different localities. And the final solution, if we ever have peace on earth, will be a World Library and an international center for research.

Plans for cooperation of any kind must be carefully thought out in every detail and their remotest effects thoroughly explored before they are adopted. Words alone do not make cooperation.

### III

#### GIFTS

As always, the library has been the recipient of many interesting gifts. We are grateful to all donors, and regret that we cannot list here all books received. Following is a partial list of gifts:

From William P. Philips, the "Ellsworth" set of the four Folios of Shakespeare.

From Victor Schoepperle, \$200 for books in Greek and on the Far East.

From Friends Select School, 1296 books and pamphlets, 1000 of them Quaker.

From Kimberley S. Roberts, 35 books on Napoleon.

From the the children of Thomas Scattergood, 106 Quaker books and 121 volumes of general literature.

From Mrs. William White, Jr., 11 volumes of Life magazine.

From the Apprentices' Library, 135 volumes, mostly on American history.

From Mrs. Howard Longstreth, 44 volumes of general literature.

From Mrs. John S. Sharpe, 33 books.

From Alan S. FitzGerald, 28 books.

From Elizabeth Williamson, 42 books, mostly fiction.

From Mrs. Robert Wynter Locke, 20 books.

From Timothy Atkeson, 17 books.

From Florence Beddall, 18 books.

From Charles L. Chandler, 11 books.

From Rufus M. Jones, 13 books, either his own writings or on mysticism.

From the Honorable E. Wallace Chadwick, 125 volumes of government documents.

From the Honorable John Phillips, 41 volumes of government documents.

From A. J. Williamson, 35 volumes of Life magazine.

From the Cap and Bells Club, \$15.00 for books on drama and the stage.

From Robert Barrie, 126 volumes, mostly on art.

From Malcolm R. Lovell, Latin edition of Plutarch's lives, Basel, 1530.



From Capt. Martin Nixon Miller, "Memoirs of Lodge No. 51, F. and A. M. of Pennsylvania."

From Mrs. Godwin M. Brown, 25 books and a certificate of membership in the Loganian Society.

From Mrs. John B. Knox, 13 volumes of Fortune magazine.

#### IV

#### STATISTICS

*Growth of Collections:* The total number of volumes in the library at the end of August, 1947, was 172,029. During the past year, 3196 volumes were added, 1761 by purchase, 998 by gift or exchange, and 437 sent by the United States government for our Government Depository Collection. In addition to the latter item, which represents only the volumes which we have cataloged, there were many more books and pamphlets, which are filed in our government pamphlet collection and are available to the public. 351 books were discarded.

*Circulation:* The total circulation of books outside the library was 26,546—about 10,000 more than the previous year. (No record is kept of the number used *in* the library, except those charged out for carrel use). Of the total number borrowed, 3,250 were loaned to the faculty, 18,541 to students, and 4,755 to borrowers not connected with the college. The number of books in use in carrels was 1,494. Books on reserve for class use numbered 2,407.

DEAN P. LOCKWOOD,  
*Librarian.*

### REPORT OF THE CURATOR OF THE QUAKER COLLECTION

1946 - 1947

The year 1946-47 was marked for the Quaker Collection by steady growth in books, manuscripts, pictures, and maps of interest to Friends, as well as by a continued use of the Collection by Haverford undergraduates, visiting scholars, friends of the College, and by the many people who write to us for information, from this country and from abroad. Books and pamphlets came to us by gift in gratifying numbers. Many books in gift-lots necessarily go into the duplicate collection for distribution to other libraries, but the number which are not already here, and which we keep, is surprisingly large. Of the most substantial gift this year, for instance, one thousand Quaker books from the library of Friends' Select School, ninety per cent duplicated titles which



were already at Haverford. But the other ten per cent, ninety-nine volumes, to be exact, were not previously here, and they help substantially in our effort to obtain a copy of every book published by or about Friends. Frequently the percentage of books "not here" in gifts from Quaker families, meetings, and educational institutions is much greater than ten per cent. We sincerely hope, therefore, that no one who reads this report will discard a single book of Quaker interest before he has inquired whether it will fit into a vacant niche on the Treasure Room shelves.

Besides the Friends' Select School books, 127 other volumes came to us this year as unique gifts. Most important were the thirty-four titles which have been added to what is the very core of our Friends' library, the William H. Jenks collection of Quaker tracts of the seventeenth century. They are the gift of Mrs. John Story Jenks, of Chestnut Hill, in memory of her husband, a member of the Class of 1898, to whom they had been left by his father, William H. Jenks. The new Jenks gift includes such unusual titles as a rare Samuel Keimer printing of 1726, the first in America, of Robert Barclay's *Catechism and Confession of Faith*; the first edition, printed by Andrew Bradford, of Philadelphia Yearly Meeting's *Ancient Testimony of the People Called Quakers, Revived* (1723); and a first edition of William Penn's *Christian Quaker . . . Vindicated* (1674). These new titles help greatly to round out what is undoubtedly the largest body of tracts in America from the first century of Quakerism.

Other Quaker books received include 106 volumes from the library of Thomas Scattergood, of Philadelphia, (1841-1907), presented by his children; seventy-eight books and pamphlets from William Bacon Evans, of Moorestown, New Jersey; seven of his own books on religious and philosophical subjects by Professor Edmund Privat, a Swiss Friend, who is now working on a life of Lincoln; eight volumes from her father's library, one of which was a first edition of *Hope the Hermit*, a rare little Quaker novel set in the time of William and Mary, from Elizabeth Pharo, of Haverford; five volumes from Edward Woolman, of the Board of Managers; and eight early *Disciplines* of Indiana, Canada, Dublin, and London Yearly Meeting, from Percy E. Clapp, a member of Fifteenth Street Meeting in New York, who is in the rare book department of the New York Public Library and is a Quaker book collector in his own right; and a privately printed genealogy of *The Corson Family* from Dr. Edward F. Corson, of Plymouth Meeting.

For gifts such as these we have mentioned, many of them expensive or otherwise almost unobtainable, we must rely on our friends. Most of the funds allotted by the College for the purchase of Quaker books are necessarily devoted to things which are currently published in this country and abroad, of which we bought 160 titles this year. Out of our small surplus

which had accumulated, however, we were able to buy twelve Dutch Quaker tracts of great rarity. They were in a bound volume of fifty-eight such pamphlets, dating from 1656 to 1669, which was offered to us by a Philadelphia dealer and friend of the Library. But since we already had forty-six of the titles in a similar volume, also contemporary with the rise of Quakerism in Holland, our dealer-friend permitted us to break up his volume and take what we wanted at a reasonable figure. These include editions which came out in Dutch before they were published in English, some unknown to Joseph Smith, the great Quaker bibliographer. There are tracts and broadsides by George Fox, Edward Burrough, Stephen Crisp, William Ames, and others. Most interesting of all is a Dutch translation of the famous *Call From Death to Life*, which was written by Marmaduke Stephenson shortly before he went to a martyr's death on Boston Common in 1659.

Manuscripts are as vital as books to a research library such as ours, and here, too, we have added important material to our collection, both by gift and by purchase. Through Ann Gidley Lowry, Margaret Carman sent us the manuscript of her pageant which was presented at the 250th anniversary of Flushing Monthly Meeting in October, 1945. Horace Mather Lippincott, of Whitemarsh, also deposited two of his own manuscripts, one an account of Old Conanicut Meeting at Jamestown, Rhode Island, the other the story, from the point of view of a participant, of "The Struggle for a Union of Philadelphia Friends," beginning about 1874 and culminating in the first General Meeting held last fall. Rufus M. Jones gave us the manuscript of his address before the Sunday afternoon session of the General Meeting. "The Great Succession of Torch Bearers," as well as two volumes containing signatures of New England Friends of the late nineteenth century. He is also continuing to add new titles to his Collection on Mysticism, and to the collection of his own writings which was presented to the College by Clarence E. Tobias in 1944. Henri van Etten sent us from Paris a copy of a manuscript membership list of Friends in France in 1889. Mrs. Arthur H. Thomas, of Haverford, gave diaries of two Chester County Friends, Joshua and David Evans, covering the period from 1835 to 1898. A photostatic copy of the marriage certificate of Henry T. Lea and Helen Bentley Lea, dated Sixth Month 4, 1878, Montgomery County, Maryland, and containing the signatures of many Maryland Friends, was given by Robert B. Lea, of Lake Success, New York, the father of Sperry Lea, now a student at Haverford.

From the same dealer who found us the Dutch tracts we were also able to secure three letters of unusual interest to students of early Quakerism. One, from George Fox to Friends in Holland, 1682/3, gives news of Friends in England and abroad, and says, "I hear that they have very precious meetings in William Penn's country." The second is from Margaret Fell, Fox's wife, to

her children, describing her journey to Gravesend and Deal to see her husband off on his American journey in 1671. The third, from William Smith to George Fox, written from Nottingham Gaol in 1664, tells a curious tale of a Friend's courtship in which the suitor was the woman rather than the reluctant man. These letters, two of which are docketed in Fox's own hand and all hitherto unknown, will soon be published in Friends' journals.

Our collection of prints, pictures, and maps was enriched by the following gifts: Photographs from the Quaker artist, Margaretta S. Hinchman, of Philadelphia, of two water colors commissioned for hanging at Pennsbury—Admiral Penn's flagship, the *Royal George*, and his son's more famous *Welcome*; an engraving of the Bevan bust of William Penn, given to the Coates family in 1781 by Richard Penn, grandson of the Founder of Pennsylvania, and now presented to Haverford by Mrs. William M. Coates, of Philadelphia; seven original water colors of nearby Pennsylvania meeting-houses, by Edythe Ferris, of Philadelphia; pictures of old Frankfurt of Penn's day, now recently destroyed, by Karl G. A. Fischer, a German Friend; and twenty-six photographs of Friends Boarding School at Barnesville, Ohio, from the estate of Agnes L. Tierney, through her niece, Mrs. Louis C. Green, of Haverford.

Our two most notable gifts this year were also in Quaker portraiture and painting: a pair of handsome pastel portraits of Joseph John Gurney and Eliza Paul Kirkbride Gurney, presented to Haverford by Mary W. Shoemaker, of Germantown, upon the friendly suggestion of Charles F. Jenkins, and a "lost" *Quaker Meeting* by Egbert van Heemskerk, the gift of George Vaux, Bryn Mawr.

The Gurney portraits are by Amelia Opie, Quaker novelist, artist, and friend of the Gurneys of Earlham. They were done in the 1840s during the short but happy marriage of Joseph John Gurney and his American bride, were brought back with her to Burlington after her husband's death, and have been in the family until now. Framed in the ornate gilt of the Victorian period, they are a most striking addition to our small but choice collection of Quaker portraits and paintings.

The Heemskerk is one of the smaller portraits in oil of a "Quaker Meeting" which the Dutch artist did in London in the Restoration period. Like all of Heemskerk's Quaker subjects, this picture is essentially a caricature of a despised and unusual sect which the Dutch painter executed for a market which wanted to be amused. But since he provides us with the only pictorial evidence we have as to what Friends' gatherings may have looked like in the earliest days, Heemskerk's "Quaker Meetings" are of great interest to Friends now. The canvas presented by George Vaux, which was discovered

and brought to our attention by John L. Nickalls, Librarian of the Friends Library in London, is unique in another way. It is undoubtedly the original painting from which Marcel Lauron made his well-known engraving of a Quakeress preaching from an upturned tub, a theme which in turn inspired most of the other "woman-on-tub" engravings and "paintings after Heemskerk" which were reproduced by William I. Hull in the *Bulletin of Friends Historical Association* ten years ago. The picture is a fitting companion to the Heemskerk which Mary Vaux Walcott gave to the College in 1936, and gives further evidence of the interest of the Vaux family in Quaker pictorial art, and in Haverford. Their Peale portrait of George Fox, on loan in the Treasure Room, is the focus of every visitor's interest. And it is gratifying to report that Mrs. George Vaux, Jr., has added to the loan collection the original Robert Smith water-color drawing of John Woolman.

If our College art collection continues to grow, we shall wish that we had a gallery as well as a library to house and display it. At the present moment the Gurney portraits are very advantageously displayed, for they are on loan at the Philadelphia Art Museum for the current exhibition of period costumes, Quaker and otherwise.

Three interesting microfilms were added to our collection, a copy of the minutes of the American Free Produce Association (1838-1846), a group which owed its inspiration to Friends in its boycott of slave-labor goods; a supplement to our films of the English Swarthmore Documents, through the good auspices of Henry J. Cadbury; and a microfilm of the typewritten copy of the 1760-62 diary of Ann Cooper Whitall, of Red Bank, New Jersey, through James Whitall, of the Class of 1910. William H. B. Whitall, of Germantown, gave the original diary last year, but the type-script copy which he kept for the family is so much easier to read than the original that we had a microfilm made of it for ordinary research use.

One of the most important functions of the Quaker Collection is its service to research students and scholars, of whom nineteen visited the Library during the year and many more sent inquiries by mail. And it is a rewarding experience eventually to add their manuscript or printed writings to the Library when the research is done. This year we have had copies of four manuscript theses deposited with us by authors who worked here and who wanted the results of their work preserved. One, a brilliant piece of original research by a Yale undergraduate, is the senior essay of Edward A. Manice, on "George Fox, Quakers, Negroes, and Slavery on Barbados, 1671-1675"; another is a study for the masters degree at the University of Maryland, by Frank O. Wargny, on "education of the Freedmen by Philadelphia and Baltimore Quakers during the Civil war and Reconstruction period." The other two are Haverford theses by graduate students working under Thomas E. Drake and



Theodore Paullin in American History. George W. Hagner, Jr., wrote "a Survey of the Peace Section of the American Friends Service Committee, 1925-1941." Edwin B. Bronner's "Thomas Earle as a Reformer" is a study of the varied career of a nineteenth-century liberal lawyer. It will soon be published as a book by the Earle family.

As in the past, the Treasure Room has been host to the Library Associates, who held four meetings during the course of the year. It was also the scene of a meeting of the University and College Group of the Special Libraries council of Philadelphia, at which Rufus M. Jones spoke on his Mysticism Collection, and Charles B. Shaw, Librarian of Swarthmore College, described the notable Private Press Collection which he has gathered there. The Numismatic and Antiquarian Society held a meeting at Haverford as guests of J. Henry Scattergood, to hear Professor Sargent speak on Shakespeare and to see the great Philips folios. For these meetings and for other events, Anna B. Hewitt, the Assistant Curator, arranged nine special exhibitions, on topics such as Korea; World War I, (The Hayday Collection); the Shakespeare Folios; the American Friends Service Committee; Nazi pictures and documents gathered by George R. Allen, '40; scrolls from the J. Rendel Harris Collection of Oriental Manuscripts; and Quakeriana and Anti-Quakeriana.

Our exchange of duplicates with other libraries continues, in particular with Earlham College, William Penn College, Friends Library in London, and Friends Historical Library at Swarthmore. Joint staff meetings were held with Swarthmore again this year to our mutual benefit. The Curator was absent on sabbatical leave during the second term, and Anna B. Hewitt was in charge of the Treasure Room, while Frederick B. Tolles edited the Spring Number of the *Bulletin of Friends Historical Association*, a function which is ordinarily carried on at Haverford. The American Friends Service Committee archives were under the care of John K. Musgrave, who also supervised the preparation of the files in Philadelphia prior to their removal here. Student scholarship aid was of real assistance in carrying on the regular work in the Treasure Room and in keeping it open to visitors on Saturday and Sunday afternoons, although as responsibilities connected with administering our various collections increase, it is clear that we should look forward to employing another regular staff member, full-time or half-time, particularly to take care of the growing accumulation of books and manuscripts waiting to be catalogued.

Our account is not complete without an acknowledgment of gifts to the Charles Roberts Autograph Collection. Thirty-two letters and documents were received, including items from William M. Wills, of the Class of 1904; Clarence G. Hoag, of the Class of 1893; John F. Rich, of the Class of 1924; President Gilbert F. White, Librarian Dean P. Lockwood, Benjamin M. Col-



lins, of the Class of 1948, and Edwin L. Brown, of the Class of 1950. The autographs are of great variety, ranging from Sidney Hillman's to Leverett Saltonstall's, and from John Kieran's to Albert Einstein's.

THOMAS E. DRAKE.  
*Curator*

## REPORT OF THE MORRIS INFIRMARY 1946-1947

The report of house patients is as follows:

	1946-1947	1945-1946
Patients admitted .....	92	63
Total time (days) .....	347	219

Diseases are classified as follows:

Grippe and respiratory .....	53
Intestinal .....	15
Joint conditions .....	2
Miscellaneous .....	22

Total number of visits of dispensary patients:

	1946-1947	1945-1946
Medical .....	3073	1340
Surgical .....	1377	748
Total .....	4450	2088

Conditions are classified as follows:

Upper respiratory .....	829
Fractures .....	8
Sutures .....	6
General .....	1295

HERBERT W. TAYLOR, M.D.

## PUBLICATIONS AND ACTIVITIES OF THE FACULTY

1946 - 1947

ALLEENDOERFER, CARL B.

Reviews: Col. R. C. Yates, *Curves*, *American Mathematical Monthly*, 54 (1947), 175-176.

Addresses: "'Slope' in Solid Analytic Geometry," Philadelphia Section of the Mathematical Association of America, November 23, 1946.

"Parallelism, Solid Angle, and Curvature," Annual Meeting, Mathematical Association of America, December 26, 1946.

"Exterior Differential Forms and Their Applications," University of Pennsylvania Mathematics Colloquium, February 13, 1947.

"Steiner's Formulae and Their Generalizations," Yale University Mathematics Colloquium, April 9, 1947.

"Mathematics for the Liberal Arts Student," Mathematical Association of America, September 2, 1947.

Vice-President, Mathematical Association of America.

Associate Editor, *American Mathematical Monthly*.

Participant in Princeton University Bicentennial Conference on Mathematics and Reporter on session on "Differential Geometry," December 17-19, 1946.

Member, Board of Directors, Main Line Cooperative Association.

ASENSIO, ELISA

Director, AFSC Social Work Project in Mexico, Summer 1947.

ASENSIO, MANUEL J.

Lectures: "Recuerdos de Sevilla," International House, Philadelphia, Winter 1947.

"Importancia del Estudio del Espanol para los Norte-americanos," The Pan American Association of Philadelphia, February 1947.

Article: "Importancia del Estudio del Espanol para los Norte-americanos," *Panamericismo*, 6, No. 9 (March 1947).

Director, AFSC Social Work Project in Mexico, Summer 1947.

ASHMEAD, JOHN, JR.

Article: "A Modern Language for Japan," *Atlantic Monthly*, 179 (January 1947), 68-72.

Reviews: Vera McWilliams, *Lascadio Hearn*, *Atlantic Monthly*, 178 (September 1946), 160.

Masuo Kato, *The Lost War*, *Atlantic Monthly*, 178 (December 1946), 178.  
Ruth Benedict, *The Chrysanthemum and the Sword*, *Atlantic Monthly*, 179 (March 1947), 138.  
David Davidson, *The Steeper Cliff*, *Atlantic Monthly*, 180 (September 1947), 127-128.

#### BAER, JOHN E.

Article: Joint authorship, "The Estimation of Basic Organic Compounds in Biological Materials I," *Journal of Biological Chemistry*, 168, No. 1 (April 1947), 299-309.

#### BENHAM, THOMAS A.

Articles: "Research on Aids for the Blind," *Electrical Engineering*, 66, No. 2 (February 1947), 178-182.

"Aural Current Indicator," *Electronics*, 20, No. 7 (July 1947), 164-172.

"Bessel Functions in Physics: Theory," *American Journal of Physics*, 15, No. 4 (July-August 1947), 284-294.

Review: Hector Chevigny, *My Eyes Have a Cold Nose*, *Philadelphia Record*, Spring 1947.

Lectures: "Wave Communications," Junior members of the Franklin Institute, February 8, 1947.

"Mathematics in Braille," Braille Club of America, New York, January 1947.

Vice-President, Philadelphia Branch of the Pennsylvania Association for the Blind.

#### BERNHEIMER, RICHARD M.

Reviews: W. Weisbach, *Manierismus in Mittelaterlicher Kunst*, *American Journal of Archeology*, (June 1947).

W. Weisbach, *Religiose Reform and Mittelaterlicher Kunst*, *American Journal of Archeology*, (September 1947).

#### BRUNS, FRIEDRICH

Article: "Ernst Wiechert," *Monatshefte* (University of Wisconsin), 39 (October 1947), 355-372.

Lecture: "A Reinterpretation of Prolog in Himmel and of 'die Mutter' in Goethe's *Faust*," Round Table of German Department, University of Wisconsin.

#### CADBURY, WILLIAM E., JR.

Review: F. F. Purdon and V. W. Slater, *Aqueous Solution and the Phase Diagram*, *Journal of Chemical Education*, 24 (April 1947), 207.

Democratic Committeeman, 4th Ward, Haverford Township.

Clerk, Haverford Monthly Meeting.

Overseer, Haverford Monthly Meeting.

COBLE, ARTHUR B.

Articles: "On the Expression of an Algebraic Form in Terms of a Set of Forms with Non-zero Resultant," *American Journal of Mathematics*, 68, No. 4 (October 1946), 544-552.

"Ternary and Quaternary Elimination," *American Journal of Mathematics*, 68, No. 4 (October 1946), 521-543.

COMFORT, HOWARD

Review: W. Ludowici and H. Ricken, *Die Bilderschusseln der romischen Topfer von Rheinzabern [Tafelband]*, *American Journal of Archaeology*, 50 (1946), 502-503.

Lecture: "Vergil's *Aeneid*, Book V," Philadelphia Classical Club, winter 1947.

Secretary-Treasurer, American Philological Association.

Secretary, Advisory Council of Classical School, American Academy in Rome.

Director, Osborne Association.

COMFORT, WILLIAM W.

Book: *William Penn and Our Liberties*. Philadelphia: Penn Mutual Life Insurance Co., 1947, 146 pp.

Article: "Quakers at Sea," *Friends' Quarterly*, (July 1947), 173-180.

President, Bible Association of Friends of America.

President, Friends Historical Association.

President of Trustees, Sleighton Farm School for Girls.

Overseer, William Penn Charter School.

Member of Council, Historical Society of Pennsylvania.

DRAKE, THOMAS E.

Article: "Joseph Drinker's Plea for the Admission of Colored People to the Society of Friends, 1795," *Journal of Negro History*, 32, No. 1 (January 1947), 110-112.

Lectures: "Modern Protestant Thought in the United States," Haverford College Christian Forum, October 17, 1947.

"Antislavery Friends near Plymouth Meeting," Friends Historical Association. Plymouth Meeting, Pa., May 17, 1947.

Editor and Member, Board of Directors, Friends Historical Association.

Editor, *Bulletin of Friends Historical Association*, Vol. 35, No. 2 (Autumn 1946).

Member, Board of Directors, Pendle Hill.

Member, Board of Managers, *The Friend*.

DUNN, EMMETT R.

Article: "Snakes of the Lerida Farm [Chiriqui Volcano, Western Panama]," *Copeia*, No. 3 (September 1947), 153-157.

Curator of Reptiles and Amphibians, Philadelphia Academy of Natural Sciences.

Participant in Princeton University Bicentennial Conference on Genetics, Paleontology, and Evolution.

### EVANS, FRANCIS C.

- Article: Joint Authorship with John T. Emlen, Jr., "Ecological Notes on the Prey Selected by a Barn Owl," *The Condor*, 49, No. 1 (January-February 1947), 3-9.
- Lectures: "Population Studies as an Aid to Systematics," The Naturalists' Forum, Philadelphia, April 21, 1947.
- "The Oxford University Expeditions to Iceland and the Faeroe Islands," Journal Club of the Biology Department, Bryn Mawr College, February 1947.
- Collaborator, "Study of the Relationship of Louse Infestation to the Nutritional State of the Host," (Paul Gyorgy, Director), Clinton State Farms, New Jersey.

### FETTER, FRANK W.

- Articles: "Great Britain's Position in International Trade," *Opinion and Comment*, 9, No. 1 (February 1947), 14-22.
- "History of Public Debt in Latin America," *American Economic Review*, 37, No. 2 (May 1947), 142-150.
- Review: P. T. Ellsworth, *Chile: An Economy in Transition*, *Journal of Political Economy*, 54, No. 6 (December 1946), 564-565.
- Lectures: "Economic Foreign Policy of the United States," Friends Meeting in West Chester, Pa., November 18, 1946.
- "Great Britain's Position in International Trade," University of Illinois, December 2, 1946.
- "History of Public Debt in Latin America," Annual Meeting of American Economic Association, Atlantic City, N. J., January 24, 1947.
- "Opportunities for College Graduates in Government Service," Vocational Guidance Conference, Bucknell University, April 24, 1947.
- "The United States and World Trade," University of Michigan, July 18, 1947. (In Summer Lecture Series on "The United States in World Affairs").
- Professor in the Summer Session, Northwestern University, 1947.

### FLIGHT, JOHN W.

- Article: "Proceedings of Society of Biblical Literature and Exegesis," *Journal of Biblical Literature*, 66, i-xxxv.
- Reviews: J. C. Rylaarsdam, *Revelation in Jewish Wisdom Literature*, *Journal of Bible and Religion*, 14, 234-235.
- P. S. Minear, *Eyes of Faith*, *Journal of Bible and Religion*, 15, 59-60.
- Preaching Engagements: Hartford, Conn., August 1947.
- Bensalem Methodist Church, Pa., September 1947.
- Secretary, Society of Biblical Literature and Exegesis, to December 1946.
- Vice-President, Society of Biblical Literature and Exegesis, to December 1947.
- Associate Editor, *Journal of Bible and Religion* (1947).

### FOSS, MARTIN

- Lectures: "The Ethical Teaching of the Bible," Jewish Club devoted to Cultural Activities, New York, November 1946.
- "American Education," Alumni-Day Speech, Elizabethtown College, Elizabethtown, Pa., May 1947.



### GLENDENING, FRANK S.

Addresses: Loss Executives' Association, New York City.

Philadelphia Chapter, Middle Atlantic Lumbermen's Association.

Member, Pennsylvania Institute of Certified Public Accountants.

Member, Committee on Accountants Liability, American Institute of Accountants.

Member, Committee on Accounting Forum, Pennsylvania Institute of Certified Public Accountants.

### GRAY, J. GLENN

Lecture: "The American Impact on Germany," National Council on Religion in Higher Education, Westminster, Maryland, September 1947.

### GREEN, LOUIS C.

Lectures: "The Source of the Sun's Heat and Light," Chester County Natural History Society, Coatesville, Pa., May 26, 1947.

"The Structure of the Sun's Atmosphere," Rittenhouse Astronomical Society, Philadelphia, January 10, 1947.

### HENRY, HOWARD K.

Chairman, Pest Control Committee, Pennsylvania Forestry Association.

### HERNDON, JOHN G.

Books: Co-author, *Fighting for Freedom*. Philadelphia: John C. Winston Co., 1947, x, 502 pp.

*The Herndon Family of Virginia: The First Three Generations*. Philadelphia: Engineers Publishing Co. (privately printed), 1947, I, iv, 60 pp.

*Significant Business Developments of 1946*. Philadelphia: John C. Winston Co., 1947, 64 pp.

Articles: "The College of Arms," *Publications of the Genealogical Society of Pennsylvania*, 15, Nos. 2-3 (Spring 1947), 153-160.

"The American Society of Genealogists," *Publications of the Genealogical Society of Pennsylvania*, 15, Nos. 2-3 (Spring 1947), 161-169.

"Colonel Alexander Dunlap (1743-1828)," *Virginia Magazine of History and Biography*, 54, No. 4 (October 1946), 321-326.

Lectures: "London in Wartime," Rotary Club, Keene, New Hampshire; Rotary Club, Ardmore, Pa.

Director, Genealogical Society of Pennsylvania.

Editor, *Publications of the Genealogical Society of Pennsylvania*.

Director, United Nations Council of Philadelphia.

### HETZEL, THEODORE B.

Chairman, Work Camp Committee, American Friends Service Committee.

Member of Board, Haverford Community Center.

Member of Board, Philadelphia Section, Society of Automotive Engineers.

### HOAG, GILBERT T.

Lecture: "The Foundations of Peace," Amawalk Quarterly Meeting, August 3, 1947.  
Dean, International Service Seminar (AFSC), Indian Mountain School, Lakeville, Conn., Summer 1947.

### JONES, RUFUS M.

Books: *The Luminous Trail*. New York: MacMillan, 1947, 165 pp.

Articles: "Introduction to Jacob Boehme's *Way to Christ*," New York: Harper, 1947, pp. vii-ix.

"Foreword to *The Life of Edward Grubb*," London: James Clark and Co., 1947, pp. 9-10.

"In the German Gestapo," *Friends Intelligencer*, 104, No. 31 (August 1947), 404-406; *The American Friend*, 54, No. 35, 265-266.

"The Way of Affirmation," *Friends Quarterly* (July 1947), pp. 167-172.

### LESTER, JOHN A., JR.

Address: "Charles Dickens: A Critical Estimate," Annual Address, The Dickens Fellowship of Philadelphia, February 8, 1947.

### LOCKWOOD, DEAN P.

Article: "Cooperative Acquisitions in the United States *versus* a World Library," *College and Research Libraries*, 8, No. 2 (April 1947), 110-112.

Lectures: "History of the Book," Series of Four Lectures delivered to Training Class for Library Assistants, Free Library of Philadelphia, February 1947.

Section Editor for Renaissance Translations, Research Project for Annotated Lists and Guides of Medieval and Renaissance Latin Translations from Ancient Greek and Latin Commentaries on Ancient Latin and Greek Authors, sponsored by Renaissance Committee, American Council of Learned Societies.

### LUNT, WILLIAM E.

Article: "The Collectors of Clerical Subsidies," in William A. Morris and Joseph R. Strayer, ed., *The English Government at Work, 1327-1336*, Cambridge: Mediaeval Academy, 1947, ii, 227-280.

Review: Raymonde Foreville, *L'Eglise et la Royaute en Angleterre sous Henri II Plantagenet (1154-1189)*, *American Historical Review*, 52 (1946), 110-111.

Clerk, Mediaeval Academy.

### MACINTOSH, ARCHIBALD

Articles: "The Admissions Situation," *Haverford Trends*, No. 3 (March 1947).

"First Ascent of Peak Three," *Canadian Alpine Journal*, 30 (1947).

Custodian, College Entrance Examination Board.

Board of Trustees, Episcopal Academy.

Board of Overseers, William Penn Charter School.

### MEADE, E. GRANT

Public Relations Officer, Philadelphia Brigade, Organized Naval Reserve.

### MELDRUM, WILLIAM B.

Book: *A Textbook of Qualitative Analysis*. New York: American Book Company, 1946, 431 pp.

Lecture: "The Mechanism of Inorganic Reactions," Joint Meeting of the Chemistry Teacher's Club, the Physics Club, and the General Science Association of New York City, New York, February 1947.

Councilor, American Chemical Society.

Chairman, A. C. S. Activities Committee, American Chemical Society (Philadelphia Section).

Chairman, Student Chemists Committee, American Chemical Society, (Philadelphia Section).

Chairman, Summer Conference, New England Association of Chemistry Teachers, Wellesley, Mass., August 18-23, 1947.

Associate Editor, *Journal of the Franklin Institute*.

### OAKLEY, CLETUS O.

Article: "A Problem," *American Mathematical Monthly*, 54, No. 1, 48.

Review: E. T. Bell, *The Magic of Numbers*, The Philadelphia Sunday Bulletin.

Chairman, Joint Committee on Publicity, American Mathematical Society, Mathematical Association of America, and Institute of Mathematical Statistics.

Editor, Mathematical Sections, *Collier's Encyclopedia*.

### PALMER, FREDERIC, JR.

Lectures: "New Light on the Brownings," Wabash College, Crawfordsville, Indiana; Baldwin School, Bryn Mawr, Pa.; Browning Society, San Francisco, Calif.

Chairman, Franklin Medal Committee, Franklin Institute.

Editor, Division of Chemical Engineering and Physics, Research Staff, Franklin Institute.

### PEPINSKY, ABRAHAM

Articles: "Musical Tone Qualities as a Factor in Expressiveness," *Journal of the Acoustical Society of America*, 19, No. 4, Part 1 (July 1947), 542-544.

"The Nature or Rhythmic Experience," *Proceedings of the Music Teachers National Association*, Series 40 (1946), 321-329.

"Geminiani's Schematic Fingerboard," *Papers of the Musicological Society*, (1946), pp. 137-143.

Lectures: "Tone Psychology," Academy of Music, Philadelphia, Pa., December 1946.

"Physical Basis of Music," Academy of Music, Philadelphia, Pa., February 1947.

"Psychology of Music," Academy of Music, Philadelphia, Pa., April 1947.

### PFUND, HARRY W.

Review: E. H. Zeydel, trans. and ed., *Sebastian Brant's The Ship of Fools*, *Journal of English and Germanic Philology*, 45, No. 4 (1946), 454-456.

Lectures: "Goethe und die Quaker," Bi-monthly Meeting of South Baden and Swiss Friends, Freiburg im Breisgau, May 11, 1947.

"Quakerglauben und Quakerwerk," address over Sudwestfunk (French Zone Radio, Germany), July 15, 1947, and to various audiences.

Head of Mission, French Zone of Occupation in Germany for American Friends Service Committee (Quaker Relief), 1946-1947.

Director, Carl Schurz Memorial Foundation, Philadelphia.

Director, German Society of Pennsylvania, Philadelphia, Pa.

Secretary, American Relief for Central Europe, Inc., Philadelphia, Pa.

#### POST, L. ARNOLD

Articles: "Notes on Alciphron," *Classical Weekly*, 40, No. 4 (November 4, 1946), 32.

"Cataphracts in Curtius," *Classical Weekly*, 40, No. 5 (November 18, 1945), 40.

"Propaganda for Pericles in the *Seven Against Thebes*," *Proceedings of the American Philological Association*, 76 (1945), 37.

"Emendation of Pindar *Olympian* 9-82," *Classical Philology*, 42, No. 2 (April 1947), 124.

Reviews: R. Hackforth, *Plato's Examination of Pleasure*, *American Journal of Philology*, 67, No. 4 (October 1946), 378-380.

I. During, *Aristotle's de Partibus Animalium*, *American Journal of Philology*, 68, No. 1 (January 1947), 105-106.

Lectures: "Philosophical and Psychological Comment on Aristotle's *Poetics*," Fullerton Club, Bryn Mawr College, November 14, 1946.

"One World for Philologists," Presidential Address, American Philological Association, Rochester, New York, December 26, 1946.

"Gilbert Murray's Version of Menander's *Arbitration*," Philadelphia Classical Society, Mater Misericordiae Academy, April 26, 1947.

Editor, Loeb Classical Library.

#### REID, IRA DE A.

Articles: "Southern Ways—Regional Devices of Segregation," *Survey Graphic*, 36, No. 1 (January 1947), 39-42, 107-108.

"Special Problems of Negro Migration During the War," *Milbank Memorial Fund Quarterly*, 25, No. 3 (July 1947), 284-292.

"Georgia's Negro Vote," *Nation*, 163, No. 1 (July 1946), 12-14.

"Mrs. Mankin Given Chance to Win in Georgia," *New York Herald Tribune*, October 27, 1946.

Reviews: Charles S. Johnson, *Into the Main Stream*, *Annals of the A. A. of Politics and Social Science*, 253 (September 1947), 241-242.

Howard W. Adam and Katherine Jocher, *In Search of the Regional Balance in America*, *Journal of Educational Sociology*, 20, No. 7 (March 1947), 442.

Carle C. Zimmerman, *Outline of Social Change and Progress*, *Journal of Rural Sociology*, 12, No. 3 (September 1947), 330.

Lectures: Delivered before 1946 Conference on Population Problems, Milbank Memorial Fund, October 1946; Wellesley College; National Child Welfare Association (Middle Atlantic Conference, Baltimore); Choate School; Penn Charter School; University of Texas; Lincoln University; Cheyney State Teachers College; Talladega College; Evening Bulletin Forum, Philadelphia.



Assistant Editor, *American Sociological Review*.  
Editor, *Phylon* (Atlanta University Review of Race and Culture).  
Executive Board, Southern Sociological Society.  
Executive Board, National Sharecroppers Fund.

SARGENT, RALPH M.

Reviews: *The Border Land*, *Philadelphia Record*, October 27, 1946.  
*Stendhal; or The Pursuit of Happiness*, *Philadelphia Record*, November 10, 1946.  
*Madame Geneva*, *Philadelphia Record*, November 10, 1946.  
*The Island, A Cavalcade of England*, *Philadelphia Record*, November 17, 1946.  
*Firebrand: The Life of Dostoevsky*, *Philadelphia Record*, November 24, 1946.  
Lectures: "The Community Library Today," Penn Wynne Library Association, February 21, 1947.  
"Some New Attitudes Toward Shakespeare," Library Associates, Haverford College, March 16, 1947; Numismatic and Antiquarian Society, Philadelphia, May 29, 1947.  
Phi Beta Kappa Address, Haverford College, June 5, 1947.  
President, Library Associates, Haverford College, 1946-1947.  
Chairman, College Conference on English in the Central Atlantic States, 1947.  
President, Highlands Museum and Biological Laboratory, Highlands, N. C.  
Board of Visitors, Union College, Schenectady, New York.

SCHRECKER, PAUL

Articles: "Descartes and Leibniz in 1946; On Their 350th and 300th Birthdays," *Philosophy*, 21, No. 80 (November 1946), 205-233.  
"Leibniz and the Art of Inventing Algorisms," *Journal of the History of Ideas*, 8, No. 1 (January 1947), 107-116.  
"On the Infinite Number of Infinite Orders," in *Studies and Essays in the History of Science . . . in Homage to George Sarton*, New York: Henry Schuman, 1947, pp. 359-373.  
"Kant et la Revolution Francaise," in *Les Doctrines Politiques Modernes*, New York: Brentano's, 1947, 181-220.  
"La Republique des Lettres et son Ennemi Allemand," *Cahiers de la Revolution Francaise*, No. 1 (November 1946), 123-133.  
Review: *Leibniz's Principles of International Justice*, *Journal of the History of Ideas*, 7, No. 4 (October 1946), 484-498; German translation in *Die Amerikanische Rundschau*, 3, No. 11 (January 1947), 114-122.  
Lectures: "The Right to Civilization," Ecole Libre des Hautes Etudes, New York, March 4, 1947.  
"The Elements of Historical Processes," Philosophy Club, Columbia University, New York, March 20, 1947.

SOLLMANN, WILLIAM

Review: James K. Pollock, *Germany under Occupation*, *Annals of the American Academy of Political and Social Science* (September 1947), p. 215.  
Lectures: Delivered before Institutes of International Relations in Wellesley, Antioch, Greensboro, N. C.; High School Institutes of International Relations, Massa-



chusetts and Maryland; Foreign Service Seminars in Frankfort, Michigan and Woodstock, Illinois; Bucknell University; Ethical Society, Philadelphia; Vermont Forum; Summer School and Institutes for Meeting Workers in Pendle Hill; United Nations Council, Philadelphia; International House, Philadelphia.

### SPAETH, J. DUNCAN

Articles: "A Philadelphia Schoolmaster: Dr. Faires' Classical Institute," *Philadelphia Forum*.

"Woodrow Wilson as I Knew Him," in *Some Princeton Memories*, Princeton: Princeton University Press, 1946.

Reviews: Wertenbaker, *Bicentennial History of Princeton*, *American Historical Review*.

Granville Barker, *Shakespeare Studies*, *Evening Bulletin* (Sunday Book Review).

Marie Fishe, *Thomas Jefferson*, *Evening Bulletin* (Sunday Book Review).

Tristram Coffin, *Yankee Coast*, *Evening Bulletin* (Sunday Book Review).

Van Wyck Brooks, *Times of Melville and Whitman*, *Evening Bulletin* (Sunday Book Review).

Lectures: "Poems of Immortality in English Literature: Wordsworth's *Intimations*, Shelley's *Adonais*, Tennyson's *In Memoriam*," Church Women's Club, Philadelphia.

"Sailorman and Oarsmen in the *Odyssey*," Philadelphia Classical Club.

"Prometheus Redivivus, The Fire Bringer and Civilization Today," Pennsylvania Classical Association.

"Specialist vs. Humanist," Old Guard Princeton.

"Shakespeare Birthday Address," Edwin Forrest Home, April 23, 1947.

"Training for Freedom: Ramparts of the Spirit," Gettysburg College.

"Shakespeare's Political Character," Tremont, Maine.

"The Scottish Contribution to American Education," St. Andrew's Society.

### SUTTON, RICHARD M.

Articles: "Four Useful Blackboard Aids," *American Mathematical Monthly*, 54, No. 5 (May 1947), 376-380.

"A Mousetrap Atomic Bomb," *American Journal of Physics*, 15, No. 5 (September-October 1947), 427-428.

"God's Power in an Atomic World," *The Society Kit* (Presbyterian Board of Christian Education, 1947), pp. 85-88.

Lectures: "Atomic Energy and the Responsibility of the Scientist," Delaware County League of Women Voters, September 25, 1946; Wynnefield Forum, October 29, 1946; Collegeville-Trappe Parent-Teachers Association, January 16, 1947; Saturday Club of Wayne, March 18, 1947; Race Street Forum, March 23, 1947.

"The Balance Sheet of Science," Earlham Student Conference, Quaker Hill, Richmond, Ind., April 19-20, 1947; St. John's M. E. Church, Chicago, Ill., May 4, 1947; A. F. S. C. International Student Seminar, Farragut, Idaho, August 3-6, 1947.

"Atoms," Penn Charter School, January 20, 1947.

"Some Unconventional Experiments in Optics," Meeting of Pennsylvania Conference of College Physics Teachers, Ursinus College, Collegeville, Pa., October 18, 1946.

"A Mousetrap Atomic Bomb," Meeting of American Association of Physics Teachers, New York, January 30 and 31, 1947.

"Imagination and the Teaching of Physics," Wesleyan University, Middletown, Conn., March 3, 1947.

"Progress in Physics," Meeting of Science Clubs, Earlham College, Richmond, Ind., April 21, 1947; General Assembly, Farragut College, Farragut, Idaho, August 6, 1947.

Editor of Physics Entries, *Britannica Junior*, Chicago, Ill.

Examiner in Physics, Swarthmore College, February 1947.

Examiner in Physics, Earlham College, April 1947.

Examiner in Physics, College Entrance Examination Board.

Representative of American Institute of Physics to UNESCO Conference, Philadelphia, March 1947.

Committee in Charge, Westtown School.

Committee in Charge, Haverford Friends School.

#### SWAN, ALFRED J.

Review: Egon Wellesz, *Eastern Elements in Western Chant*, *Subsidia*, Vol. 2.

Editor, American Series of *Monumenta Musica Byzantinae*

#### TAYLOR, HERBERT W.

Medical Consultant, Bryn Mawr Hospital, Bryn Mawr, Pa.

Physician to Haverford School, Haverford, Pa.

Officer, Association of College Physicians.

#### TEAF, HOWARD M., JR.

Self-Help Mission to Finland, American Friends Service Committee, February-August 1947.

Vice-President, Christian Association, University of Pennsylvania.

Chairman, College Section, Philadelphia Community Chest Campaign, 1947.

#### THOMSEN, DONALD L., JR.

Article: "Joukowski Airfoil," *Tech Engineering News* (February 1946).

#### WATSON, FRANK D.

Lecture: "Problems in Family Life," Philadelphia County Medical Society, Philadelphia, October 1947.

Chairman, Township Government and Legislation Committee, Haverford Civic Association.

#### WILLIAMSON, ALEXANDER J.

Member, Board of Managers, Main Line Y. M. C. A.

WYLIE, LAURENCE W.

Article: "Poetry at the Sorbonne, 1833-1868," *Symposium*, 1, No. 1 (November 1946), 112-118.

Review: Chamfort, *La Jeune Indienne*, *Bulletin of the Friends Historical Association*, 35, No. 2 (Autumn 1946), 82.

Associate Editor, *Symposium*.

Vice-President, Philadelphia Chapter of American Association of Teachers of French.  
Foreign Service Executive Committee, American Friends Service Committee.









# HAVERFORD COLLEGE BULLETIN



1948-1949

CATALOG

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# HAVERFORD COLLEGE

## BULLETIN



1948-1949

HAVERFORD, PENNSYLVANIA

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1948																
Sept.	S	M	T	W	T	F	S	Nov.	S	M	T	W	T	F	S	
				1	2	3	4				<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
	5	6	7	8	9	10	11		7	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	
	12	13	14	15	16	17	18		14	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	
	19	20	21	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>		21	<b>22</b>	<b>23</b>	<b>24</b>	25	26	27	
26	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>				28	<b>29</b>	<b>30</b>						
Oct.						<b>1</b>	<b>2</b> <th rowspan="6">Dec.</th> <td></td> <td></td> <td></td> <td><b>1</b></td> <td><b>2</b></td> <td><b>3</b></td> <td><b>4</b></td>	Dec.				<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	
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	31															

1949																
Jan.	S	M	T	W	T	F	S	April	S	M	T	W	T	F	S	
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	9	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>		10	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	
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	23	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>		24	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	
30	<b>31</b>															
Feb.			<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b> <th rowspan="6">May</th> <td>1</td> <td><b>2</b></td> <td><b>3</b></td> <td><b>4</b></td> <td><b>5</b></td> <td><b>6</b></td> <td><b>7</b></td>	May	1	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	
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	27	<b>28</b>							29	<b>30</b>	<b>31</b>					
March			<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b> <th rowspan="6">June</th> <td></td> <td></td> <td></td> <td><b>1</b></td> <td><b>2</b></td> <td><b>3</b></td> <td><b>4</b></td>	June				<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	
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	27	28	29	30	31				26	27	28	29	30			

College Days in heavy-faced type.

# Calendar

1948-49

Registration of all new students .....	Sept. 20-21
Beginning of College year with Assembly, 9 a.m.;	
registration of returning students .....	Sept. 22
First semester classes begin 8 a.m. ....	Sept. 23
First quarter ends .....	Nov. 13
Thanksgiving recess (Dates Inclusive) .....	1 p.m. Nov. 24-28
Major Registration Cards for men in the fourth term must be filed by ..	4 p.m. Dec. 8
Christmas recess (dates inclusive) .....	12 noon Dec. 18-Jan. 2
First semester classes in major subjects	
end for students taking comprehensives .....	Jan. 15
Senior comprehensive examinations (dates inclusive) .....	Jan. 19-22
First semester classes end .....	Jan. 20
All papers assigned must be turned in by 4 p.m.*	
Mid-year examinations (dates inclusive) ** .....	Jan. 24-Feb. 5

Second semester classes begin 8 a.m. ....	Feb. 7
Applications for fellowships for the following year must be filed by .....	March 1
Third quarter ends .....	Mar. 26
Spring recess (dates inclusive) .....	12 noon Mar. 26-Apr. 3
Major Registration Cards for men in the fourth term must	
be filed by .....	4 p.m. Apr. 20
Manuscripts in competition for prizes must be filed by .....	4 p.m. May 1
Second semester classes in major subjects end for students taking	
comprehensives .....	May 18
Senior Comprehensive examinations (dates inclusive) .....	May 23-26
Second semester classes end .....	May 24
All papers assigned must be turned in by 4 p.m.*	
Final examinations (dates inclusive) ** .....	May 27-June 10
Commencement .....	June 11

\*Late papers will receive no credit unless arrangements have been made *in advance* with the instructor in the course and the Dean.

\*\*Laboratory notebooks must be turned in not later than the scheduled time of the examination in the course. Late notebooks will receive no credit unless arrangements have been made *in advance* with the instructor in the course and the Dean. In courses which have no scheduled examination, notebooks must be turned in by 4 o'clock on the fourth day preceding the end of the examination period.

# Corporation of Haverford College

## *Officers*

DR. S. EMLIN STOKES, *President*  
Moorestown, N. J.

J. HENRY SCATTERGOOD, *Treasurer*  
1616 Walnut Street, Philadelphia 3, Pa.

JOHN F. GUMMERE, *Secretary*  
W. School Lane and Fox Street, Philadelphia 44, Pa.

---

## MEMBERS OF THE STANDING NOMINATING COMMITTEE OF THE CORPORATION

### *Term Expires 1948*

HENRY C. EVANS.....635 Manatawna Avenue, Philadelphia 28, Pa.  
WILMOT R. JONES.....Alapocas Drive, Wilmington, Del.  
RICHARD M. SUTTON.....785 College Avenue, Haverford, Pa.

### *Term Expires 1949*

WILLIAM M. MAIER.....Bailey Building, Philadelphia 7, Pa.  
I. THOMAS STEERE.....375 W. Lancaster Avenue, Haverford, Pa.  
PAUL W. BROWN .....Downingtown, Pa.

### *Term Expires 1950*

STANLEY R. YARNALL.....5337 Knox Street, Philadelphia 44, Pa.  
WILLIAM E. CADBURY.....225 South 15th Street, Philadelphia 2, Pa.  
HUBERT R. TAYLOR.....910 Girard Trust Building, Philadelphia 2, Pa.

# Board of Managers

## *Ex-officio as Officers of Corporation*

DR. S. EMLEN STOKES, *President*.....Moorestown, N. J.  
 J. HENRY SCATTERGOOD, *Treasurer*.....1616 Walnut Street, Philadelphia 3, Pa.  
 JOHN F. GUMMERE, *Secretary*....W. School Lane and Fox Street, Philadelphia 44, Pa.

## *Term Expires 1948*

CHARLES J. RHODS.....Ithan Road, Bryn Mawr, Pa.  
 EDWARD W. EVANS.....Awbury, Germantown, Philadelphia 44, Pa.  
 WILLIAM A. BATTEY.....605 Walnut Lane, Haverford, Pa.  
 DR. FREDERIC C. SHARPLESS.....Rosemont, Pa.  
 ALFRED BUSSELLE.....220 E. 36th Street, New York, N. Y.  
 JOHN A. SILVER.....Tabor Road and E. Adams Avenue, Philadelphia 20, Pa.  
 WILLIAM B. BELL.....Rockefeller Plaza, New York, N. Y.  
 WILMOT R. JONES.....Alapocas Drive, Wilmington, Del.  
 PAUL V. R. MILLER\*.....1700 Girard Trust Building, Philadelphia 2, Pa.  
 CHARLES S. RISTINE\*.....Fidelity-Philadelphia Trust Building, Philadelphia 9, Pa.

## *Term Expires 1949*

FREDERIC H. STRAWBRIDGE.....801 Market Street, Philadelphia 7, Pa.  
 JONATHAN M. STEERE.....1318 Girard Trust Building, Philadelphia 2, Pa.  
 L. HOLLINGSWORTH WOOD.....133 E. 40th Street, New York 16, N. Y.  
 STANLEY R. YARNALL.....5337 Knox Street, Philadelphia 44, Pa.  
 WILLIAM W. COMFORT.....Haverford, Pa.  
 DR. HENRY M. THOMAS, JR.....1201 N. Calvert Street, Baltimore 2, Md.  
 ALEXANDER C. WOOD, JR.....325 Chestnut Street, Philadelphia 6, Pa.  
 HAROLD EVANS.....1000 Provident Trust Building, Philadelphia 3, Pa.  
 W. NELSON WEST, III.....1411 Walnut Street, Philadelphia 2, Pa.

## *Term Expires 1950*

MORRIS E. LEEDS.....1025 Westview Street, Philadelphia 19, Pa.  
 M. ALBERT LINTON.....4601 Market Street, Philadelphia 39, Pa.  
 EDWARD WOOLMAN.....Haverford, Pa.  
 THOMAS W. ELKINTON.....Public Ledger Building, Philadelphia 6, Pa.  
 HENRY C. EVANS.....635 Manatawna Avenue, Philadelphia 28, Pa.  
 WILLIAM M. MAIER.....Bailey Building, Philadelphia 7, Pa.  
 J. COLVIN WRIGHT\*.....116 E. Penn Street, Bedford, Pa.  
 GARRETT S. HOAG.....131 Glen Road, Wellesley Farms, Mass.  
 DR. JONATHAN E. RHODS.....4021 Pine Street, Philadelphia 4, Pa.

## *Faculty Representatives on Board of Managers*

### *Term Expires 1949*

JOHN W. FLIGHT

*Alternates, 1948-49:* THOMAS E. DRAKE and CLETUS O. OAKLEY

### *Term Expires 1950*

HARRY W. PFUND

## OFFICERS

### *Chairman of Board*

DR. S. EMLEN STOKES

### *Secretary of Board*

W. NELSON WEST, III

\* Alumni Representative Manager.



STANDING COMMITTEES OF THE BOARD OF MANAGERS  
OF THE CORPORATION OF HAVERFORD COLLEGE

*The Chairman of the Board is an ex-officio  
member of all committees*

*Executive Committee*

S. EMLÉN STOKES, *Chairman*

THOMAS W. ELKINTON

EDWARD W. EVANS

JOHN F. GUMMERE

WILMOT R. JONES

MORRIS E. LEEDS

PAUL V. R. MILLER

J. HENRY SCATTERGOOD

FREDERIC C. SHARPLESS

JONATHAN M. STEERE

W. NELSON WEST, III

ALEXANDER C. WOOD, JR.

*Committee on Finance and Investments*

JONATHAN M. STEERE, *Chairman*

M. ALBERT LINTON

WILLIAM M. MAIER

CHARLES S. RISTINE

J. HENRY SCATTERGOOD

ALEXANDER C. WOOD, JR.

*Committee on College Property and Farm*

WILLIAM A. BATTEY, *Chairman*

THOMAS W. ELKINTON

HENRY C. EVANS

JOHN A. SILVER

FREDERICK H. STRAWBRIDGE

EDWARD W. WOOLMAN

*Committee on Honorary Degrees*

HENRY M. THOMAS, JR., *Chairman*

WILLIAM W. COMFORT

HAROLD EVANS

MORRIS E. LEEDS

M. ALBERT LINTON

STANLEY R. YARNALL

*Library Committee*

ALEXANDER C. WOOD, JR., *Chairman*

WILLIAM W. COMFORT

WILMOT R. JONES

*Counsel*

MACCOY, BRITTAIN, EVANS AND LEWIS  
1632 Chestnut Street, Philadelphia 3, Pa.

# Faculty

- GILBERT FOWLER WHITE.....*President*  
S.B., S.M., and Ph.D., University of Chicago.
- WILLIAM WISTAR COMFORT.....*President, Emeritus*  
A.B., A.M. and LL.D., Haverford College; A.M. and D.D., Harvard University;  
Litt.D., University of Pennsylvania; LL.D., University of Maryland and Lake  
Forest College.
- †RUFUS MATTHEW JONES.....*T. Wistar Brown Professor of Philosophy, Emeritus*  
A.B., A.M. and LL.D., Haverford College; A.M. and D.D., Harvard University;  
Litt.D., Penn College; LL.D., Swarthmore College, Earlham College, and Wil-  
liams College; D.Theol., University of Marburg; D.D., Yale University;  
D.Litt.Hum., Colgate University; S.T.D., Colby College and Columbia Univer-  
sity; H.Litt.D., Jewish Institute of Religion.
- LEGH WILBUR REID.....*Professor of Mathematics, Emeritus*  
S.B., Virginia Military Institute; A.B., Johns Hopkins University; S.M., Prince-  
ton University; Ph.D., University of Göttingen.
- ALBERT HARRIS WILSON.....*Professor of Mathematics, Emeritus*  
S.B. and S.M., Vanderbilt University; Ph.D., University of Chicago.
- HENRY VOLKMAR GUMMERE.....*Lecturer in Astronomy, Emeritus*  
S.B., A.M., and Sc.D., Haverford College; A.M., Harvard University.
- FREDERIC PALMER, JR.....*Professor of Physics, Emeritus*  
A.B., A.M., and Ph.D., Harvard University.
- LEON HAWLEY RITTENHOUSE.....*Professor of Engineering, Emeritus*  
M.E., Stevens Institute of Technology.

(The active members of the Faculty are arranged in the order of their  
appointment to their present rank. Two or more appointed in  
the same year are listed in alphabetical order.)

- †WILLIAM EDWARD LUNT.....*Walter D. and Edith M. L. Scull*  
A.B. and L.H.D., Bowdoin College; *Professor of English Constitutional History*  
A.M. and Ph.D., Harvard University.
- \*FRANK DEKKER WATSON.....*Professor of Sociology and Social Work*  
S.B. in Economics and Ph.D., University of Pennsylvania.
- \*DEAN PUTNAM LOCKWOOD.....*Professor of Latin*  
A.B., A.M., and Ph.D., Harvard University.
- WILLIAM BUELL MELDRUM.....*John Farnum Professor of Chemistry*  
A.B. and M.Sc., McGill University; Ph.D., Harvard University.
- LEVI ARNOLD POST.....*Professor of Greek*  
A.B. and A.M., Haverford College; A.M., Harvard University; B.A. and M.A.,  
Oxford University.
- EMMETT REID DUNN.....*David Scull Professor of Biology*  
A.B. and A.M., Haverford College; Ph.D., Harvard University.
- EDWARD DOUGLAS SNYDER.....*Professor of English*  
A.B., Yale University; A.M. and Ph.D., Harvard University.

\* Absent on leave, 1948-49.

† Absent on leave, second semester, 1948-49.

‡ Deceased.

- JOHN ALEXANDER KELLY .....*Professor of German*  
A.B., Emory and Henry College; A.M. and Ph.D., Columbia University.
- DOUGLAS VAN STEERE .....*Professor of Philosophy*  
S.B., Michigan State College; B.A., Oxford University; A.M. and Ph.D., Harvard University.
- CLETUS ODA OAKLEY .....*Professor of Mathematics*  
S.B., University of Texas; S.M., Brown University; Ph.D., University of Illinois.
- RICHARD MANLIFFE SUTTON .....*Professor of Physics*  
S.B., Haverford College; Ph.D., California Institute of Technology.
- RALPH MILLARD SARGENT .....*F. B. Gummere Professor of English*  
A.B., Carleton College; Ph.D., Yale University.
- \*CARL BARNETT ALLENDOERFER .....*Professor of Mathematics*  
S.B., Haverford College; B.A. and M.A., Oxford University; Ph.D., Princeton University.
- HOWARD MORRIS TEAF, JR. ....*Professor of Economics*  
S.B. in Economics, A.M., and Ph.D., University of Pennsylvania.
- JOHN WILLIAM FLIGHT .....*Professor of Biblical Literature*  
A.B., Hope College; A.M., Yale University; B.D. and Ph.D., Hartford Theological Seminary.
- JOHN GOODWIN HERNDON .....*Professor of Public Finance*  
A.B. and A.M., Washington and Lee University; Ph.D., University of Pennsylvania.
- ABRAHAM PEPINSKY .....*Professor of Psychology*  
A.B. and A.M., University of Minnesota; Ph.D., State University of Iowa.
- IRA DE AUGUSTINE REID .....*Professor of Sociology*  
A.B., Morehouse College; A.M., University of Pittsburgh; Ph.D., Columbia University.
- ALFRED JULIUS SWAN.....*Professor of Music on joint*  
B.A. and M.A., Oxford University.      *appointment with Swarthmore College*
- HARRY WILLIAM PFUND .....*Associate Professor of German*  
A.B., Haverford College; A.M. and Ph.D., Harvard University.
- HOWARD COMFORT.....*Associate Professor of Latin and Greek*  
A.B., Haverford College; A.M. and Ph.D., Princeton University.
- ROY EARL RANDALL .....*Associate Professor of Physical Education*  
Ph.B., Brown University.                      *and Director of Intercollegiate Athletics*
- THOMAS EDWARD DRAKE .....*Associate Professor of American History*  
A.B., Stanford University; A.M., University of Michigan; Ph.D., Yale University.
- CLAYTON WILLIAM HOLMES .....*Associate Professor of Engineering*  
S.B. and M.E., University of New Hampshire; A.M., Haverford College.
- RICHARD MAX BERNHEIMER .....*Associate Professor of History of Art on joint*  
Ph.D., University of Munich.                      *appointment with Bryn Mawr College*
- WILLIAM EDWARD CADBURY, JR. ....*Associate Professor of Chemistry*  
S.B. and A.M., Haverford College; Ph.D., University of Pennsylvania.
- THOMAS OSWELL JONES .....*Associate Professor of Chemistry*  
B.E., Oshkosh Teachers College; Ph.M. and Ph.D., University of Wisconsin.
- \*LOUIS CRAIG GREEN .....*Associate Professor of Astronomy*  
A.B., A.M. and Ph.D., Princeton University.

\*Absent on leave, 1948-49.

- FILLMORE HARGRAVE SANFORD.....Associate Professor of Biology  
A.B., Richmond University; A.M., Ph.D., Harvard University.
- HERMAN MILLES SOMERS.....Associate Professor of Political Science  
S.B. and Ph.M., University of Wisconsin; A.M. and Ph.D., Harvard University.
- HOWARD KNICKERBOCKER HENRY .....Assistant Professor of Biology  
S.B., University of Pennsylvania.
- THEODORE BRINTON HETZEL .....Assistant Professor of Engineering  
S.B., Haverford College; S.B. in M.E., University of Pennsylvania; M.S. and  
Ph.D., Pennsylvania State College.
- ALFRED WILLIAM HADDLETON .....Assistant Professor of Physical Education
- LAURENCE WILLIAM WYLIE .....Assistant Professor of Romance Languages  
A.B. and A.M., University of Indiana; Ph.D., Brown University.
- MANUEL JOSE ASENSIO .....Assistant Professor of Spanish  
B.A., University of Granada; Pericial de Aduanas, Academia Oficial de Aduanas,  
Madrid; A.M., University of Pennsylvania.
- WILLIAM DOCHERTY .....Assistant Professor of Physical Education  
S.B., Temple University and Assistant Director of Intercollegiate Athletics
- JOHN ASHBY LESTER, JR. ....Assistant Professor of English  
S.B., Haverford College; A.M. and Ph.D., Harvard University.
- THOMAS ALONZO BENHAM .....Assistant Professor of Physics  
S.B. and S.M., Haverford College.
- FRANCES DE GRAAFF .....Assistant Professor of Russian  
Ph.D., University of Leyden. on joint appointment with Bryn Mawr College
- JOHN ELSON BAER .....Assistant Professor of Chemistry  
A.B., Swarthmore College; S.M., University of Pennsylvania.
- OTTO THEODOR BENFEY .....Assistant Professor of Chemistry  
B.Sc. and Ph.D., London University.
- HOLLAND HUNTER .....Assistant Professor of Economics  
S.B., Haverford College; A.M., Harvard University.
- JAMES HARRY STREET .....Assistant Professor of Economics  
A.B. and A.M., University of Texas.
- DONALD LAURENCE THOMSEN, JR. ....Assistant Professor of Mathematics  
A.B., Amherst College; Ph.D., Massachusetts Institute of Technology.
- ARTHUR BYRON COBLE .....Visiting Professor of Mathematics  
A.B., A.M., LL.D., Gettysburg College; Ph.D., Johns Hopkins University.
- PAUL SCHRECKER .....Visiting Professor of Philosophy  
on joint appointment with Bryn Mawr and Swarthmore Colleges  
LL.D., University of Vienna; Ph.D., University of Berlin.
- RAYMOND HIRAM WILSON, JR. ....Visiting Assistant Professor of Astronomy  
A.B., Swarthmore College; A.M. and Ph.D., University of Pennsylvania.
- HERBERT WILLIAM TAYLOR .....Lecturer in Hygiene  
A.B., Haverford College; M.D., University of Pennsylvania.

- MARTIN FOSS .....*Lecturer in Philosophy*  
LL.D., University of Jena.
- WILLIAM FREDERICK SOLLMANN.....*Lecturer in Political Science*
- MARTHE CHARLOTTE WENCÉLIUS.....*Lecturer in French*  
*Agréégée, University of Paris.*
- ARLINGTON EVANS .....*Instructor in Physical Education*  
B.P.E., Normal College A.G.U.; S.M., Temple University.
- JOHN OTTO RANTZ .....*Instructor in Engineering*  
Graduate of the Williamson Free School of Mechanical Trades.
- ELISA ASENSIO .....*Instructor in Spanish*  
*on joint appointment with Swarthmore College*
- JOHN ASHMEAD, JR. ....*Instructor in English*  
A.B. and A.M., Harvard University.
- ALFRED GILBERT STEER, JR. ....*Instructor in German*  
A.B., Haverford College; A.M., Duke University.
- MARVIN LUTHER BROWN, JR. ....*Instructor in History*  
A.B., Haverford College; A.M., University of Pennsylvania.
- MARCEL MARC GUTWIRTH .....*Instructor in French*  
A.B., Columbia College; A.M., Columbia University.
- MARVIN L. TOMBER .....*Instructor in Mathematics*  
S.B., Notre Dame University.
- ROBERT MARTIN BRUNS.....*Instructor in Political Science*  
A.B., Butler University; A.M., Ohio State University.
- FRANCESCO C. CARBONE.....*Instructor in Painting and Sketching*
- NORMAN BARGE BRAMALL .....*Assistant in Physical Education*
- SAMUEL TUCKER FOX, III.....*Assistant in English*
- NORMAN MONTGOMERY WILSON .....*Assistant in Engineering*
- WILLIAM HEARTT REESE .....*Director of Glee Club and Orchestra*  
A.B., Amherst College; M.A., Columbia University; Ph.D., University of Berlin.  
*on joint appointment with Bryn Mawr College*

The Dean and the Comptroller are members of the Faculty.

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•Absent on leave, 1948-49.



## Administration

GILBERT FOWLER WHITE .....	<i>President</i>
S.B., S.M., and Ph.D., University of Chicago.	
ARCHIBALD MACINTOSH .....	<i>Vice-President and Director of Admissions</i>
A.B., Haverford College; A.M., Columbia University.	
LESTER CORNERIUS HAWORTH.....	<i>Vice-President</i>
S.B., Earlham College.	
GILBERT THOMAS HOAG .....	<i>Dean</i>
A.B., Haverford College; A.M and Ph.D., Harvard University.	
ABRAHAM PEPINSKY .....	<i>Registrar</i>
A.B. and A.M., University of Minnesota; Ph.D., The State University of Iowa.	
MRS. FLORENCE B. STULB .....	<i>Assistant Registrar</i>
ALDO CASELLI .....	<i>Comptroller and Business Manager</i>
D.S.E. and C., University of Naples.	
AMY LYDIA POST .....	<i>Acting Librarian</i>
A.B., Earlham College.	
THOMAS EDWARD DRAKE .....	<i>Curator of the Quaker Collection</i>
A.B., Stanford University; A.M., University of Michigan; Ph.D., Yale University.	
HERBERT WILLIAM TAYLOR .....	<i>Physician in Charge</i>
A.B., Haverford College; M.D., University of Pennsylvania.	
MABEL SYLVIA BEARD .....	<i>Resident Nurse</i>
R.N., Lankenau Hospital.	
LOUIS CRAIG GREEN .....	<i>Director of the Strawbridge Memorial Observatory</i>
A.B., A.M., and Ph.D., Princeton University.	
SEATON SCHROEDER .....	<i>Superintendent of Buildings and Grounds</i>
S.B. and C.E., University of Pennsylvania.	
MRS. ETHEL ELIZABETH BEATTY .....	<i>Dietician</i>
BENNETT SMEDLEY COOPER .....	<i>Alumni Secretary and Assistant to the President</i>
S.B., Haverford College.	
MRS. ALICE MATTSON BERRY .....	<i>Secretary to the President</i>
GERTRUDE MANN WONSON .....	<i>Admissions Office</i>
S.B., Simmons College.	

## Standing Committees of the Faculty and Administration

The President and the Vice-President are ex-officio members of all committees. The President, the three elected divisional representatives of the Faculty, the Vice-President and the Dean compose the Academic Council. Under the chairmanship of the President this body meets occasionally to consider student petitions and matters of college policy. The elected members for 1948-49 are Messrs. Drake (Social Science), Jones (Natural Sciences), and Pfund (Humanities).

**ACADEMIC STANDING:** Mr. Benham, *Chairman*.

Messrs. Benfey, Docherty, Pepinsky, Snyder.

**ADMISSIONS:** Mr. MacIntosh, *Chairman*.

Messrs. Haddleton, Jones, Reid, Steer.

**CURRICULUM AND COLLEGE PROGRAM:** Mr. Teaf, *Chairman*.

Messrs. Hoag, Oakley, Sanford, Street, Wylie.

**FELLOWSHIPS AND PRIZES:** Mr. Herndon, *Chairman*.

Messrs. Ashmead, Foss, Holmes, Sutton.

**GRADUATE STUDENTS:** Mr. Flight, *Chairman*.

Messrs. Comfort, Dunn, Meldrum, Reid, Steere.

**LIBRARY:** Mr. Lester, *Chairman*.

Messrs. Asensio, Drake, Henry, Kelly, Post, Sargent, Somers.

**NON-ACADEMIC INSTRUCTION:** Mr. Pfund, *Chairman*.

Messrs. Docherty, Gutwirth, Hetzel, Pepinsky, Sutton, N. Wilson.

**PREMEDICAL EDUCATION:** Mr. Cadbury, *Chairman*.

Messrs. Dunn, Henry, Meade, Taylor.

**STUDENT AFFAIRS:** Mr. Randall, *Chairman*.

Mrs. Asensio, Miss deGraaff; Messrs. Hoag, Hunter, Thomsen.

# THE COLLEGE PROGRAM



As a Quaker College, Haverford stresses in its educational policy the importance of personal and social ideals. In the past, this concern has been expressed through Fifth Day Meeting and Collection, rather than in any formal way in the requirements for the degree. Recent changes in faculty rulings, however, have put a heavier emphasis on philosophic and evaluative courses within the academic curriculum itself. The College is not satisfied with scholarship and intellectual expertness alone, though it values highly these qualities; in its new plans, Haverford will stress increasingly the importance of sound ethical judgment based upon clear perception of individual and social aims.

In its curricular work, Haverford insists on a high standard of achievement. The College's selective admissions policy brings together a varied group of promising young men in each Freshman class. A reasonably high aptitude for academic work is an essential prerequisite, but selection is made also with qualities of personality and character in mind. In its strictly academic work, the College stresses intellectual integrity, independence of judgment, the imaginative grasp of inter-relationships, and the capacity to do independent work. Mastery of facts and of the techniques of research is always important, but even more so is the desire and moral capacity to use these skills for worthwhile ends.

Student government and extra-curricular activities are planned to develop qualities of character not commonly cultivated in the classroom. The non-academic program recently instituted is calculated to encourage growth in a sense of responsibility for constructive community service, in the appreciation of beauty, and in certain creative skills not properly included in the curriculum itself. The meditative silence of Fifth Day Meeting continues, as always, to make an important contribution to the spiritual development of Haverford men.

These aims have always been important in Haverford's educational program; the changes now contemplated are intended to increase their importance in the curricular work of the College.



## History

Haverford College was founded in 1833 as the first college established by members of the Society of Friends in the United States. Wherever the first Quaker settlers set up their meetings for worship, they also opened schools, but because Friends have no ordained ministry or priesthood set apart from secular life, they made in the beginning no provision for institutions of higher learning. With the expansion of science and learning in the early nineteenth century, however, the need for advanced training was felt by the Friends as it was by the many other religious groups in America which founded colleges in that era. A tragic separation in American Quakerism in 1827-28 brought this need sharply to the attention of certain leaders of the "Orthodox" Quaker body in Philadelphia and New York. They organized Haverford, therefore, as an institution which would provide an "enlarged and liberal system of instruction" to meet the intellectual needs of "Friends on this continent," offering a course of instruction in science, mathematics, and classical languages "as extensive as given in any literary institution in this country." In religion, morals, and manners, the students who attended Haverford were, in the Quaker phrase of the day, to receive a "guarded" education, but their training was to be "equal in all respects to that which can be obtained in colleges." Haverford College in those days was modestly called Haverford School, but the intent was clear to create an intellectual center that would give to Friends the kind of education which other young Americans were receiving in the best colleges.

The choice of the site of Haverford College exercised its founders for three years; it was settled by the purchase of 198 acres of rolling farmland in the center of the Welsh Tract, a large area originally set apart by William Penn for Quaker immigrants from Wales. The region still bears the native place-names of its settlers, of which Haverford is one. The site was propitious. Today the College campus (increased to 216 acres) is a beautiful area of fields and woodlands, although the Philadelphia suburbs have spread out along the Main Line to Haverford and beyond. What had been fields grew into a graceful sweep of lawns, distinguished by trees and by planting reminiscent of an English garden. This was the contribution of William Carvill, an English

landscape gardener whose careful planting gave Haverford a campus of great charm.

During the first forty years of the College's existence, Founders Hall, the original building, Alumni Hall, which is now incorporated in the Library, and an Astronomical Observatory comprised the major part of the physical plant. Throughout this era Haverford men were proving by their effectiveness in their communities the soundness of the principles on which the College had been founded. In 1847 Haverford opened its doors to young men who were not members of the Society of Friends, and in 1856 it became a degree-granting institution, with a tradition of high scholarship which has continued unshaken. At the same time it has adhered to its Quaker traditions of simplicity of living and enlightened interest in social issues.

An era of progress began in 1874 under the presidency of Thomas Chase. He and his brother, Professor Pliny Earle Chase, brought the institution to full academic stature, and strengthened its endowment. In this period a number of new buildings were erected, notably Barclay Hall, which, as the principal dormitory, became the center of student life.

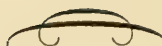
President Isaac Sharpless, 1887-1917, led Haverford College into the forefront of American collegiate institutions. His many-sided genius enabled him to gather and hold together a faculty of extraordinary capacity. In his regime, and the years immediately following, modern dormitories and classrooms, well-equipped laboratories for Chemistry, Physics, Biology, and Engineering were added to the growing assembly of buildings. The Gymnasium was erected in 1900; Roberts Hall, containing administrative offices and a large auditorium, in 1903. The Haverford Union, used for many College activities, dates from 1910; the Morris Infirmary from 1912. A modern Observatory was built in 1933, and a modern addition to the Library was completed in 1941.

As the College enrollment has grown in recent years, the need for residences in which men of like tastes and interests might have more intimate associations has been met by the establishment of a Spanish House and a French House, each with a resident director. In these specialized student residences the occupants have the advantages of group life without the social discrimination of a fraternity system.

The original fund of \$60,000 raised when the College was started has been increased by generous bequests and donations to more than \$4,500,000. This endowment enables the College to maintain a superior

faculty of unusual size in proportion to the number of students. Student enrollment is limited in order that teaching may continue on the basis of personal acquaintance in a unified community, as it has throughout the history of Haverford College.

Haverford Station on the Pennsylvania Railroad, between Bryn Mawr and Ardmore, is twenty minutes from downtown Philadelphia. The campus fronts on the famous Lancaster Pike (U.S. 30). It is approximately two hours train journey from Haverford to New York or Baltimore and less than three hours to Washington. Philadelphia's Orchestra, its museums and libraries, its scientific laboratories and industrial plants are all easily accessible to Haverford students, who can make full use of the cultural opportunities of a city while enjoying the beauty of a college campus in a quiet suburban setting.



## Admission

The policy of Haverford College is to admit to the Freshman class those applicants who, in the opinion of the Committee on Admissions, are best qualified to profit by the opportunities which the College offers and at the same time to contribute to undergraduate life. Due regard is given not only to scholarly attainment, as shown by examination and by school record, but also to character, personality, and interest and ability in important extra-curricular activities.

Whenever practicable, the College will arrange for the candidate to have a personal interview with the Director of Admissions or another administrative officer. Every applicant should realize that, in view of the limited enrollment, he is entering a competition for admission to a carefully selected and comparatively small student organization. On the basis of all information available — College Board reports, school record, class standing, evidence touching on character and personality — the application will be accepted or rejected, and the decision of the Committee on Admissions is final. Preference will be given to those with superior records and credentials rather than to those with mere priority of application.

Students who are accepted will be admitted without conditions. Those who, on entrance, show marked proficiency in certain subjects will be permitted to take courses usually not open to Freshmen; in such cases, however, the number of courses required for a degree will not be diminished.

Each applicant for admission must take either Program 2 or 3 of the Scholastic Aptitude Test and, after consultation with the Admissions Office, three Achievement Tests given by the College Entrance Examination Board. Applications involving divergence from the normal procedure must be discussed in detail with the Director of Admissions. In addition, the applicant must obtain blank forms from the College, on which he must submit his school record and a certificate of character signed by his school principal. The school certificate must show satisfactory attainment in 15 units\* of work.

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\* A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. A four years' secondary school curriculum should be regarded as representing not more than 16 units of work.



The preparatory course must include four years of English, at least a year and a half of Algebra and one year of Geometry, and three years of a foreign language. Cases involving divergence from the requirement should be discussed with the Director of Admissions. The remaining units will be drawn from laboratory science, social science, history, and additional mathematics and language.

A candidate may offer an elective in a subject not usually listed, provided he shows proficiency which indicates an amount of study and intellectual effort commensurate with that required in other subjects. The subject chosen must have the approval of the Admissions Committee.

Veterans who have not previously attended Haverford may be required to take the Special Aptitude Test for Veterans given by the College. Information about this test may be obtained from the Admissions Office. Academic credit for courses taken elsewhere will be considered on an individual basis.

### INFORMATION CONCERNING COLLEGE ENTRANCE BOARD TESTS

The College Entrance Examination Board will hold a complete series of examinations on each of the following dates during the academic year 1948-1949:

Saturday, January 15, 1949

Saturday, June 4, 1949

Saturday, April 9, 1949

Wednesday, August 24, 1949

On each of the dates listed above, the schedule of tests will be as follows:

#### Program 1

8:45 A. M.—Scholastic Aptitude Test (Verbal and Mathematical Aptitude Sections), composed of  $\frac{2}{3}$  verbal aptitude material and  $\frac{1}{3}$  mathematical aptitude material. Mathematical aptitude section based on arithmetic plus the rudiments of algebra and geometry (three hours).

#### Program 2

8:45 A. M.—Scholastic Aptitude Test (Verbal Section) and Intermediate Mathematics Test, composed of  $\frac{1}{2}$  verbal apti-



tude material and  $1\frac{1}{2}$  mathematics achievement material. Verbal aptitude section same as for the Scholastic Aptitude Test, but shorter. Mathematics achievement section (Intermediate Mathematics Test) based on  $2\frac{1}{2}$  to 3 years of secondary school mathematics, including 1 year of plane geometry and  $1\frac{1}{2}$  or 2 years of algebra (three hours).

### Program 3

8:45 A. M.—Scholastic Aptitude Test (Verbal Section) and Comprehensive Mathematics Test, composed of  $\frac{1}{3}$  verbal aptitude material and  $\frac{2}{3}$  mathematics achievement material. Verbal aptitude section same as for the Scholastic Aptitude Test, but shorter. Mathematics achievement section (Comprehensive Mathematics Test) based on  $3\frac{1}{2}$  to 4 years of secondary school mathematics, including 1 year of plane geometry, 2 years of algebra, and at least one semester of trigonometry, which is given more emphasis in the test than solid geometry (three hours).

1:45 P. M.—Achievement Tests—Not more than three of the following one-hour tests may be taken:

English Composition	Spanish Reading
Social Studies	Biology
French Reading	Chemistry
German Reading	Physics
Latin Reading	Spatial Relations

In addition, at the April, 1949, series only, Achievement Tests in Greek Reading and Italian Reading will be offered, but only to those candidates who register in advance specifically for these tests.

The schedule permits a candidate to take only one of the three-hour morning programs.

Copies of the Bulletin of Information may be obtained without charge from the College Entrance Examination Board. The Bulletin contains rules regarding applications, fees and reports; rules for the conduct of the tests; advice to candidates; descriptions of the tests; sample questions; and lists of examination centers.

Candidates should make application by mail to the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey. Blank forms for this purpose will be sent to any teacher or candidate upon request. When ordering the forms, candidates should state whether they wish forms for the January, April, June, or August tests. Applications for any particular series will not be available until after the preceding series has been held. A copy of the Bulletin of Information is automatically sent to every candidate requesting an application blank.

Each application should be accompanied by the appropriate examination fee. A detailed schedule of fees follows:

One three-hour morning program and one, two, or three Achievement tests .....	\$10.00
One three-hour morning program only .....	5.00
One, two, or three Achievement Tests when taken alone .	7.00

All applications and fees should reach the office of the Board not later than the dates specified in the following schedule:

	January 1949 Series	April 1949 Series
For examination centers located		
In the United States, Canada, Mexico, or the West Indies .....	December 25	March 19
Outside of the United States, Canada, Mexico or the West Indies .....	November 27	February 19

Belated applications will be subject to a penalty fee of three dollars in addition to the regular fee.

	June 1949 Series	August 1949 Series
For examination centers located		
In the United States, Canada, Mexico, or the West Indies .....	May 14	August 3
Outside of the United States, Canada, Mexico or the West Indies .....	April 16	June 6

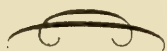
Belated applications will be subject to a penalty fee of three dollars in addition to the regular fee.

Candidates are urged to send in their applications and fees as early as possible, preferably at least several weeks before the closing date, since early registration allows time to clear up possible irregularities which might otherwise delay the issue of reports. Under no circumstances will an application be accepted if it is received at the Board office later than one week prior to the date of the examination. No candidate will be permitted to register with the supervisor of an examination center at any time. Only properly registered candidates, holding tickets of admission to the centers at which they present themselves, will be admitted to the tests. Requests for transfer of examination center cannot be considered unless these reach the Board office one week prior to the date of the examination or earlier.

The Board will report the results of the tests to the institutions indicated on the candidates' applications. The colleges will, in turn, notify the candidates of the action taken upon their applications for admission. Candidates will not receive reports upon their tests from the Board.

### ADVANCED STANDING

Since Haverford offers an integrated education, admission with advanced standing is ordinarily granted only in a limited number of cases. An undergraduate who comes from an approved college must submit an official statement of his honorable dismissal, together with a full list of his accepted preparatory subjects, and a list of all his college courses, with his record therein.



## Financial Arrangements

### ROOMS

Entering Freshmen are assigned rooms in the order in which applications for admission are received. It is not always possible to meet the desire of Freshmen for the cheapest rooms. The College assumes that a new student will accept any available room of approximately the same price as the room for which a preference is expressed. The choice of rooms by other students is governed by published rules.

A deposit of \$35 is required of all new students at the time their application is accepted. A similar deposit is required also of those students who have not been in attendance at the College during the immediately preceding semester. This amount will be deducted from the bill for the following year. If the student fails to present himself at the beginning of the semester for which he has been enrolled, the deposit will be forfeited.

Students are expected to treat College property with the same consideration as their own. A student is held financially responsible for any damage to his room, and any damage wilfully done will be sufficient reason for requesting withdrawal from the College.

### EXPENSES

The tuition charge for all regular students is \$600 for the academic year. Tuition for special students is \$80 per course, per semester. The board is \$12.50 per week, and room rent ranges from \$115 to \$212.75 according to the location of the room and the number of occupants. The Unit Fee is \$55 per year. Charges are subject to alteration by the Board of Managers.

The room charges include heat, electric light, service, and the use of necessary bedroom furniture, i.e., a bureau, table, chair, study lamp, and a bed, the linen for which is furnished and laundered by the College. Students will supply their own study furniture, blankets, and towels.

The College requires that bills rendered August 15 and January 15 for the following semester's tuition, board, room, unit fee, and deposits be paid in full before the beginning of the semester.



In order to avoid last minute congestion, it is suggested that bills be paid by mail in advance. Upon receipt of payment, registration cards will be released by the Comptroller's Office to the Registrar, and students, except Freshman or transfer students, need not report at the Office of the Comptroller.

The Unit Fee includes the following: Student activities fee, laboratory fees, health fee, accident insurance (to a maximum of \$500 per accident), diploma, and psychological tests when required by the College. Students who are insured at home on a blanket accident policy, for no less than \$500 per accident, will be granted a reduction from the unit fee equal to the premium the College would pay to the insurance carrier, on condition that their personal accident policy covers all accidents without any exclusion whatsoever, and that the policy is filed with the Office of the Comptroller at the time when relief from payment of this share of the unit fee is requested.

The College requires a \$20 deposit to cover the cost of books and any other incidental charges which may arise during the school year. Any unspent balance is refunded at the end of the academic year.

Resident veterans in training under Public Law 16 or Public Law 346 will be required to pay for their tuition on the first day of each semester unless they have presented satisfactory evidence that they have complied with the appropriate regulations of the Veterans Administration.

No reduction or refund of the tuition charge will be made after the first two weeks of any semester. If a student withdraws before the completion of the first two weeks, there will be a complete refund of his tuition. In case of illness or absence for any reason from the College, for four weeks or more, there will be a prorated refund of board. In case of withdrawals at any time, there will be no reduction of room rent for the semester unless the same room is re-rented, in which case the withdrawn occupant will receive the amount paid to the College by the new occupant. The unit fee cannot be refunded for any reason.

### COLLEGE RESPONSIBILITY

The College is not responsible for loss due to fire, theft, or any other cause. Students who wish to cover the fire risk may apply for information at the Office of the Comptroller.



## MONTHLY PAYMENTS

Because some parents may prefer to pay tuition and other College fees in equal monthly installments during the academic year, the College is glad to offer this convenience under The Tuition Plan. The cost is 4% greater than when payment is made in cash at the beginning of each semester.

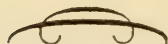
## STUDENT LOAN FUND

A loan fund is available for deserving students, other than members of the Freshman Class and transfer students during their first year, who may require financial assistance during their college course.

For information apply at the Office of the Comptroller.

## STUDENT AID

In addition to the Student Loan Fund and to scholarship help, the College offers students the opportunity to work at standard rates in the library and as clerical assistants to faculty and administrative officers of the College. Appointments are made from a list of eligible students prepared by the Vice-President.



## Scholarships

Scholarships are of two kinds: competitive, and those awarded on a basis of merit and individual need. No scholarship is given for more than one year.

No scholarship will be given to a student who has a failure against him at the time of application.

No scholarship will be given to a student whose previous college bill has not been paid in full.

All preliminary correspondence and applications for undergraduate scholarships for 1948-1949, together with supporting letters from parents or guardians, should be in the hands of the Vice-President before Monday, April 11, 1949.

It is assumed that requests for scholarships will not be made by those whose expenses can be met by their parents or from other sources.

I. CORPORATION SCHOLARSHIPS.—Sixteen scholarships of the annual value of \$300 each are awarded, without formal application, to the four students in each class who have the highest average grades. Ranking is determined in the case of upper classmen by their general average for the year. In the case of the incoming Freshman Class, the scholarships will be assigned after the June examinations (see page 21) to those candidates entering by any plan of admission who are judged to be best prepared to do the work of the College.

II. ISAIAH V. WILLIAMSON SCHOLARSHIPS.—Three scholarships, normally \$250 each, usually awarded to members of the Senior and Junior classes.

III. RICHARD T. JONES SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

IV. EDWARD YARNALL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

V. THOMAS P. COPE SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

VI. SARAH MARSHALL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

VII. MARY M. JOHNSON SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

VIII. ISAAC THORNE JOHNSON SCHOLARSHIP.—One scholarship, normally of the annual value of \$225, available for a student of Wilmington College or a member of Wilmington (Ohio) Yearly Meeting of Friends.

IX. CASPAR WISTAR MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$250, available preferably for sons of parents engaged in Christian service (including secretaries of Young Men's Christian Associations) or students desiring to prepare for similar service in America or other countries. •

X. LOUIS JAQUETTE PALMER MEMORIAL SCHOLARSHIP.—This scholarship of \$200 is awarded on application, preferably to a member of the Freshman Class who, in the opinion of a committee representing the donors and the President of the College, shall give evidence of possessing the qualities of leadership and constructive interest in student and community welfare which his friends observed in Louis Jaquette Palmer of the Class of 1894.

XI. J. KENNEDY MOORHOUSE MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$300, intended for the member of the Freshman Class who shall appear best fitted to uphold at Haverford the standard of character and conduct typified by the late J. Kennedy Moorhouse of the Class of 1900—"a man modest, loyal, courageous, reverent without sanctimony; a lover of hard play and honest work; a leader in clean and joyous living."

XII. PAUL W. NEWHALL MEMORIAL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

XIII. ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIPS.—Two or more scholarships, normally of the annual value of \$250, preference to be given to "a native of New York or Connecticut who now resides in one of those States."

XIV. SAMUEL E. HILLES MEMORIAL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

**XV. CLASS OF 1913 SCHOLARSHIP.**—One scholarship, normally of the annual value of \$125, preference to be given to sons of members of the Class of 1913 who may apply and who meet the usual requirements of the College.

**XVI. ISAAC SHARPLESS SCHOLARSHIP FUND.**—Founded in 1941. Scholarships open to graduates of secondary schools and undergraduates of Haverford College. Awards based upon fulfilment by applicant of requirements used in selection of Rhodes Scholars to the University of Oxford. Awards granted from list submitted to Selection Committee by the Director of Admissions, subject always to final approval by the President of the College; amount variable.

**XVII. CLASS OF 1917 SCHOLARSHIP.**—One scholarship, normally of the annual value of \$200, preference to be given to sons of members of the Class of 1917 who may apply and who meet the usual requirements of the College.

**XVIII. THE GEOFFREY SILVER MEMORIAL SCHOLARSHIP.**—One scholarship, normally of the annual value of \$500, available to a Public School graduate in this general area who may enter Haverford.

**XIX. DANIEL B. SMITH SCHOLARSHIP.**—One scholarship, normally of the annual value of \$200, awarded "in the discretion of the Faculty, as an annual scholarship for some young man needing financial aid in his College course. Preference is to be given to a descendent of Benjamin R. Smith, if any such should apply."

**XX. SARAH TATUM HILLES MEMORIAL SCHOLARSHIP FUND.**—Founded November 1, 1943, by bequest of \$75,534.58 from Joseph T. Hilles, Class of 1888, in memory of his mother, Sarah Tatum Hilles, "to provide for such number of annual scholarships of \$250 each as such income shall be sufficient to create"; to be awarded by the Managers to "needy and deserving students, and to be known as 'Sarah Tatum Hilles Memorial Scholarships.'"

**XXI. ELIHU GRANT MEMORIAL SCHOLARSHIP FUND.**—Two scholarships, normally of the annual value of \$300 each, established February 2, 1944, by Mrs. Elihu Grant "to commemorate the service to Haverford College of Dr. Elihu Grant, from 1917 to 1938 a member of the College Faculty. The income from this fund is applied to scholarship assistance to students in Humanistic studies, primarily those specializing in the

study of Biblical Literature and Oriental subjects." In special circumstances the income may be utilized to assist those working for a post-graduate degree at Haverford College.

XXII. JOSEPH L. MARKLEY MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$200, awarded at the discretion of the Faculty, "on the basis of character, scholarship and financial need."

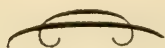
XXIII. JOSEPH C. AND ANNE N. BIRDSALL SCHOLARSHIP.—One scholarship, normally of the annual value of \$500, awarded at the discretion of the Faculty "to some student or students preparing for medicine, the selection to be based on character, scholarship and financial need."

XXIV. DANIEL E. DAVIS, JR. MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$125, awarded at the discretion of the Faculty, "on the basis of character, scholarship and financial need."

XXV. CHRISTIAN FEBIGER SCHOLARSHIP.—One scholarship normally of the annual value of \$200 established June 13, 1946 by Mrs. Madeleine Seabury Febiger in memory of her husband, Christian Febiger, of the Class of 1900. The income of this fund is applied in paying tuition and other college expenses of worthy, needy students.

XXVI. THE IDA BELL SCHOLARSHIP.—Five scholarships of at least \$175 each available for the education of Quaker children.

Most of the scholarships listed above are permanent foundations. In addition, the Alumni in various districts support regional scholarships.





# Curriculum

## GENERAL

Haverford is a liberal arts college. Its curriculum is designed to develop in its students the capacity to learn and understand, and to make sound judgments based on knowledge and on thought. The requirements for the degree insure the exercise of these skills in each of the broad fields of human knowledge and their subtler development in a single field of concentration.

## BACHELOR'S DEGREE

Students who have received credit for the full number of courses in prescribed and elective studies, provided they have met the other requirements of the College, attained a general average of 70 or above for the Junior and Senior years respectively, and provided they have passed their Major examinations with a grade of 70 or above, are granted the degree of Bachelor of Arts or Bachelor of Science. The degree normally conferred upon all candidates meeting these requirements is that of Bachelor of Arts. Upon request by the candidate and approval by the department concerned, however, the Bachelor of Science degree will be granted to men majoring in Natural Science, Mathematics, or Engineering.

Every student in full standing at Haverford College shall normally carry a program of five courses per semester for four years. The minimum full schedule of four courses will be approved by the Dean only under unusual circumstances. To graduate, a student must have completed successfully the work of forty semester-courses, and in addition three years of Physical Education. The courses may be classified as follows:

Required .....	2
Limited Electives (either two or four in Foreign Languages—see below) .....	14 or 16
Major Concentration (maximum) .....	12
Free Electives .....	10 or 12
<hr/>	
Total .....	40

The award of Honors for work toward the Bachelors' degree is described on pages 115, 116.

## REQUIRED COURSES

Two semester-courses in English are required of all Freshmen. Three terms of Physical Education or of non-academic subjects are required of all Freshmen, Sophomores, and Juniors. These courses are in addition to the forty semester-courses required for a degree.

## LIMITED ELECTIVES

To ensure breadth of distribution, every student is required to pass a certain number of courses, as indicated, in each of three groups. The details of the requirement were changed during June, 1946. (Men who entered Haverford before September, 1946, come under the older requirements, which are listed in the 1946-47 and earlier catalogs.) The new requirements, which must be fulfilled by all men entering Haverford in September, 1946, and thereafter, are as follows:

1. **FOREIGN LANGUAGES:** One full-year course in a foreign language beyond the elementary grade. For the purpose of this requirement, all first year foreign language courses, with the exception of Greek 11-12, are considered as of elementary grade.

(N.B. A single full-year language course, if included among those listed under the Humanities requirements below, will satisfy requirements in both Group I and Group II.)

2. **HUMANITIES:** The requirement may be met by passing four semesters as follows:

(a) Two from Biblical Literature 12, 23, Humanities 21-22, and Philosophy 11, 12, 21-22, 32.

(b) Two from the following list:

Biblical Literature 11, 13, 22.

English 22, 23, 24, 25, 27, 29, 31, 32, 34, 35, 36, 39, 40.

French 23, 24, 25, 27, 28.

German 21-22, 31, 32, 35, 36, 37 or 38.

Greek 11-12, 21-22, 29.

History of Art 21-22.

Latin 15, 16, 23, 24.

Music 11, 12, 21, 22.

Philosophy 23, 24, 26.

Spanish 21-22, 31, 32.

3. NATURAL SCIENCES: The requirement may be met by passing two semesters in each of two of the following groups:

(a) Biological Science 11; and Biology 12 or 14.

Psychology 21-22.

(b) Chemistry 13, 14.

Physical Science 11-12.

Physics 13-14.

(c) Astronomy 11-12.

Mathematics 13-14.

4. SOCIAL SCIENCES: The requirement may be met by passing four semesters from the list below, selected from at least two departments:

Economics 21-22.

Political Science 23, 24, 51-52.

History 11-12, 21-22, 23-24, 25-26, 27, 28, 30, 31-32.

Social Science 11-12.

Sociology 21, 22, 31-32.

#### MAJOR CONCENTRATION

A student may elect to major in any one of the following departments: Astronomy, Biblical Literature, Biology, Chemistry, Economics, Engineering, English, French, German, Government, Greek, History, History of Art, Latin, Mathematics, Music, Philosophy, Physics, Psychology, Sociology, Spanish.

Definite requirements are stated under the name of each department on pages 51-98. During the fourth term of his attendance each student should confer with the Major Supervisor of the department in which he wishes to major, and apply to him for written approval of a program of courses for the last four terms. Such a program must provide for the completion, by the end of the Senior year, of no fewer than six courses, at least three of which must be in the Major Department and the others in closely related fields. Should the student's application be rejected by the department of his first choice, he must immediately apply in another. Failure to file with the Dean, before the date specified on the College Calendar, a copy of his Major Program signed by his Major Supervisor, will entail a fine of \$5. Any student

who continues delinquent in this matter will be debarred from the final examinations in his fourth term. Should the student's application be rejected by all the departments to which he applies, he will not be promoted.

A student who applies for permission to become a Major in any department may be rejected *for scholastic reasons only*. The College rule on this point is:

If, at the time specified for application, the average of the grades obtained by a student in the "preliminary courses"\* of any department is 75 or above, the student will be accepted by that department.

If the average of the grades obtained in these courses is below 70, the student will be accepted in that department only under exceptional circumstances.

If the average of the grades obtained in these courses is 70 or above, but below 75, the decision will be at the discretion of the Major Supervisor.

Each Senior must take a special Major comprehensive examination (written, oral, or both) during the week preceding the final examination period. The passing grade for this examination is 70. In case of failure, a candidate may, with the permission of his Major Department, present himself for re-examination at a date (to be determined by the Major Supervisor) later than Commencement Day of the current year.

If the re-examination is taken one year later, during the regular period of Major examinations, there is no fee. But if the candidate applies for re-examination at an earlier date (involving the preparation of a special examination for one individual), and if the request is granted, the fee is \$25.

A student who has been formally accepted as a Major by any department has the right to remain as a Major in that department as long as he is in College. Should he wish to change from one department to

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\* "Preliminary courses" are any courses the student may already have taken in the department to which he is applying. If the applicant has not already taken any courses in that department, the department may name courses in other departments which are to be regarded as "preliminary."

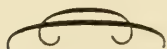
another after the beginning of his fifth term, the change can be made only with the consent of the new Major Supervisor and the Dean.

In order to allow time for preparation for the Major examination, any Senior may omit, with the consent of his Major Supervisor, one non-Major half-year course in the second half-year. The time thus taken for preparation for the Major shall be technically called course 100 in the student's department of concentration. Hence there will be no diminution in the total requirement of forty semester-courses for the degree.

Examinations in courses in the Major subject taken in the last semester of the Senior year may be omitted at the discretion of the Major Supervisor.

#### FREE ELECTIVES

A number of courses sufficient to bring the total to forty semester-courses shall be chosen by the student, with the understanding that for the Freshman and Sophomore years the College reserves the right, through the Faculty Adviser and the Dean, to prevent unreasonable combinations of courses, and that in the Junior and Senior years the student will choose his free electives after consultation with his Major Supervisor.





## FRESHMAN PROGRAM

Although the Faculty Advisor is instructed to lay out for each Freshman a plan of study suited to his special needs, the Faculty requires that English be taken throughout the year, and recommends in all usual cases that Freshmen take one foreign language and courses in History, Mathematics, and the Natural and Social Sciences, but not more than one in each of these three areas.

The courses open to Freshmen, in addition to the required work in English 11 and English 12, and in Physical Education, are:

- Descriptive Astronomy (*Astronomy 11-12*)
- Introduction to the Old and New Testaments (*Biblical Literature 11*)
- The Rise of Christianity (*Biblical Literature 21*)
- General Principles of Biological Science (*Biological Science 11*)
- Zoology (*Biology 12*)
- Botany (*Biology 14*)
- Principles of Inorganic Chemistry (*Chemistry 13*)
- Qualitative Analysis (*Chemistry 14*)
- Principles of Engineering Drawing and Shop Methods (*Engineering 11*)
- Engineering Drawing, Orientation, Surveying, and Shop Methods (*Engineering 12*)
- Elementary French (*French 11-12*)
- Intermediate French (*French 13-14*)
- Introduction to French Civilization (*French 15-16*)
- Elementary German (*German 11-12*)
- Intermediate German (*German 13-14*)
- Advanced German (*German 15-16*)
- Social Science General Course (*Social Science 11-12*)
- Elementary Greek (*Greek 11-12*)
- Intermediate Greek (*Greek 21, 22*)
- Advanced Greek (*Greek 31, 32*)
- English History (*History 11-12*)

Introduction to the History of Art (*History of Art 11-12*)  
Latin Literature (*Latin 13-14, 15, 16*)  
Freshman Mathematics (*Mathematics 13-14*)  
Foundations of Music (*Music 11, 12*)  
Introduction to Philosophy (*Philosophy 11*)  
Ethics (*Philosophy 12*)  
General Principles of Physical Science (*Physical Science 11-12*)  
General Physics (*Physics 13-14*)  
Elementary Spanish (*Spanish 11-12*)  
Intermediate Spanish (*Spanish 13-14*)  
Introduction to Hispanic Civilization (*Spanish 15-16*)

In special cases, with the consent of the Dean, Freshmen may be admitted to certain other courses.

In cooperation with the Department of Psychology, the Registrar administers a series of standard tests to all entrants within the first few days of each semester. The results of these tests are used to help Freshmen readjust, if necessary, their selection of courses. The tests are also used to determine which Freshmen should be recommended to take the voluntary course in Remedial Reading, which is offered each term, for no credit, to students who feel the need of establishing reading habits that will improve their comprehension and increase their speed in reading.

## SOPHOMORE, JUNIOR, AND SENIOR PROGRAMS

Unless otherwise specified, all courses offered in any term are open to Sophomores, Juniors, and Seniors.

### PREPARATION FOR PROFESSIONS

A large number of Haverford College students plan, after graduation, to enter upon courses of study in preparation for professions. As a liberal arts college, Haverford arranges its curriculum in such a way that men who have such plans are acceptable applicants to professional schools. The College does not, however, attempt to anticipate in its own curriculum the work of any of the graduate schools. It is the conviction of the Faculty that the best preparation for graduate work is sound and scholarly training in basic disciplines, upon which more specialized training may later be built.

Students interested in laying a firm foundation at Haverford College for later specialization are advised to consult with the Major Supervisors in the Departments most closely related to their eventual professions, and to plan with them a program of courses calculated to give the best possible basis for advanced work. Men who plan to go on in the field of Engineering should consult with the Chairman of the Department of Engineering; those who are preparing for the ministry should see the Chairman of the Department of Biblical Literature. Men who plan to prepare for the Law may consult with the Dean of the College and with their Advisers, and, if they choose, also with members of the Departments of Economics, of Political Science, and of History. Men who plan to prepare in Graduate School for careers in teaching should consult early with the Major Supervisors of the Departments in which they are interested, in order to plan their work to include the prerequisites for admission to Graduate School.

In consequence of the relatively large number of students who prepare at Haverford for medical school, a special Faculty Committee to advise students planning to become doctors has been set up. The Chairman of the Committee on Premedical Education is glad to consult with students who seek his advice. Every student who intends to study medicine should consult with him early in each college year.

The premedical program makes provision not only for the necessary courses in the premedical sciences but also for a sufficient number of courses in the non-science fields to ensure the student a well-balanced education. Over-specialization in science in the premedical course is not encouraged by the College nor by the medical schools. Since only about 8 full-year courses in the premedical sciences are required, an ample number of courses remain to meet any special requirements of particular medical schools and the requirements of the College in *limited electives*, as well as to enable the student to choose a Major in accord with his scholastic interest.

A satisfactory preparation for work in medical school would involve the following courses at Haverford College: Biological Science 11, Biology 12, 21-22, Chemistry 13 and 14, *or* Physical Science 11-12, Chemistry 21 and 22, Chemistry 23, 25, 26, and 28, Mathematics 13-14, Physics 13-14, German 13-14, French 13-14, *or* Spanish 13-14.

The premedical student must see to it that any special requirements of the medical school of his choice are met in his college program. If American history has not been studied in high school, it must be taken in college in order to meet a requirement of State Boards of Medical Licensure.

A premedical aptitude test, conducted by the Graduate Record Office for the Association of American Medical Colleges, is given twice each year, in October and in February. This test must be taken by all candidates for admission to medical school for the class entering the following September. It is recommended that the test be taken in October. The Graduate Record Examination also must be taken by students applying to Harvard Medical School.

## REGULATIONS

### CONFLICTING COURSES

A student is not allowed to elect conflicting courses, except with the permission of the Dean and the two instructors concerned.

### ADDITIONAL COURSES

In general, Freshmen will be permitted to take only five courses. Sophomores and upperclassmen may take a sixth course only if they have passed five courses in the preceding semester with an average of not less than 80. Exceptions to this rule may be made at the discretion of the Dean in the case of Seniors in their last semester in college. A fee of \$40\* per semester is charged for every additional course.

### SPECIAL CASES

Whenever a student gives proof of special abilities, the College is prepared to lay aside such requirements of the preceding plan as stand between him and the development of his gifts.

### GRADING OF STUDENTS

In determining the standing of the student, daily recitations, papers, hour examinations, and final examinations are all considered. Reports, with numerical grades and averages, are issued at the end of each semester.

Freshmen are required to obtain a general average for the year of at least 60 for promotion to the Sophomore class; Sophomores are required to obtain a general average for the year of at least 65 for promotion to the Junior class; Juniors, 70 for promotion to the Senior class; and Seniors, 70 for graduation. Students who fail to make promotion averages will normally be dropped from College.

### FAILURES AND DROPPED COURSES

A student who receives a grade of 50-59 (E) as his term mark in any course is allowed a special examination in September following the failure, immediately before the opening of College. Seniors who receive 50 to 59 in any course at midyears are permitted to take the special examination immediately after spring vacation. A Senior who receives such a grade in the final examinations in June is permitted to take the special examination during Commencement Week. This arrangement does not apply to the Major Comprehensive Examination (see page 36).

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\* Effective September 1, 1949.



These examinations, known as make-up examinations, are scheduled only upon written request by the student and on the payment of the fee of \$5.00 for each examination. The request and the fee must be received by August 2, 1948. Late applicants are subject to an additional fee of \$5.00. A student who achieves a grade below 50 is not permitted to take a make-up examination in that course.

A student with 50 or below as his term grade, or with 50-59 as his term grade in any course after the special examination privilege has lapsed, or after taking a make-up examination, must repeat the course if it is a required course (repeated courses are recorded and averaged in the year of repetition), or may substitute some other course if the failure is an elective course. No course may be repeated more than once; failure to pass a repeated required course will consequently prevent a student from obtaining his degree.

When a student drops a course, an arbitrary grade of 40 shall be recorded by the Registrar unless the instructor turns in a lower grade, except that in unusual cases, with the permission of the instructor in the course and of the Dean, a course may be dropped without a recorded grade. All recorded grades will be included in the semester average.

A course once reported to the College office shall not be removed from the student's record. In the case of failure this shall apply, even though the credit deficiency has been made up by taking an extra course in a subsequent semester, or by applying a credit previously obtained.

Any student whose record is such as to justify the belief that he is not availing himself of the opportunities offered by Haverford College may be dropped.

### INTERCOLLEGIATE COOPERATION

Because of the cooperative relationship between Bryn Mawr College, Haverford College, Swarthmore College, and the University of Pennsylvania, full-time students of any of these four institutions may, upon presentation of the proper credentials, enroll for courses in another institution of the group. This does not involve the payment of additional fees, except in laboratory courses. Visiting students will be charged the same laboratory fees or deposits as in their own institution.

Students desiring to take advantage of this arrangement should secure permission from the Dean and from the chairman of the Department at the college in which the course is given. It is also desirable that the instructor giving the course be consulted in advance. It is the student's responsibility to register in the selected course on registration day at the institution where the course is to be given. The course should also be entered on his registration card in his own institution.

Graduate students should obtain permission to take courses at other institutions from the Committee on Graduate Students. Ordinarily, the holder of a graduate fellowship will not be permitted to take more than one course in another institution for credit on his Haverford record.

### VISITORS AND LECTURERS

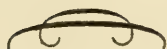
Under a recently announced policy, the College has arranged that during every academic year each Department of the Faculty will invite a visitor to Haverford for a few days to meet with the members of the department and with men concentrating in that field of work. These departmental visitors, who will sometimes give public lectures, are expected to contribute considerably to the vitality of the work in the various departments.

The Haverford Library Lectures and the Shipley Lectures, both endowed lectureships, provide annual speakers. The endowment for the former, a gift from the estate of Mary Farnum Brown, is available "for an annual course or series of lectures before the Senior Class of the College, and other students, on the Bible, its history and literature, and as a way may open for it, upon its doctrine and its teaching." The fund for the latter was presented by Samuel R. Shipley, in memory of his father, Thomas Shipley. The income from the Shipley fund is used "for lectures on English literature." At the weekly Collection meetings of the whole College prominent visitors talk to the student body on subjects of current interest.

## CURRENT CHANGES

A committee of the Faculty has for several years been occupied in evaluating the College's program and suggesting improvements. As these suggested changes are accepted by the Faculty, they are put into effect. Among them have recently been included the new Limited Elective requirements, the introduction of general courses, and the non-academic courses to be offered in September, 1948, for the first time. The problem of major concentration is at present under study.

This work of the Committee is likely to result in progressive changes during the undergraduate course of students now entering Haverford. The tendency of these changes has thus far been, and will very probably continue to be, toward a heavier stress on the philosophical and evaluative elements in liberal arts studies.



## Graduate Study

### ADMISSION TO CANDIDACY FOR MASTER'S DEGREE

Graduates of institutions of standing equivalent to that of Haverford College, who present satisfactory evidence of character, seriousness of purpose, and scholarly attainments, may be admitted as candidates for the degree of Master of Arts or Master of Science. The number of graduate students to be admitted each year will be determined by the administration, in view of the situation obtaining in the College and in individual departments in that year. A candidate for the graduate degree must show competence in one language besides English. Each applicant will be advised, on request, of the language requirements to be met in the particular department in which he wishes to carry out his specialized study.

### REQUIREMENTS

A candidate is required to pass four full-year advanced courses or their equivalent,\* each with a grade of not less than 80, and to do satisfactory additional intensive work, which may take the form of a thesis or other research, equivalent at least to a full course. At least two of the courses and the additional intensive work must be in the special field chosen by the candidate, and the remaining courses in allied subjects. In addition, the candidate may be required, at the discretion of the professor in charge, to pass a comprehensive examination upon the field of his special study. The scope of the examination will be determined by the professor in charge, and will be communicated to the candidate when he is admitted as a graduate student. The entire plan of study must be drawn up by the candidate in consultation with the professor under whom he proposes to do the major part of his work. This plan must be submitted for approval before October 1 to the Chairman of the Committee on Graduate Students. After approval by this Committee, the program must be filed with the Registrar. In cases where a thesis is required, each candidate must deposit two copies of his thesis in the College Library by May 10.

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\* In a full-year course in which credit is not granted for the work of a single semester, the course grade is the average of the two semester grades; in other cases each semester's work is a separate course, for the purposes of this requirement.



A minimum of one year's residence is required, and a candidate, if well prepared, should be able to complete his work for the degree in this time. If his preparation is inadequate, a longer period of residence may be necessary, but candidates for the Master's degree must complete the required work in not more than two academic years. Courses taken before the registration of the candidate as a graduate student at Haverford College will not usually be counted toward the degree.

Candidates who engage in any occupation or employment other than graduate study will not generally be able to satisfy the requirements for the degree in one year.

### FELLOWSHIPS

Five Thomas Wistar Brown Fellowships of \$1000 each are available every year primarily for members of the Society of Friends and for the graduates of other Friends' colleges in the United States. Should any of these Fellowships be unclaimed by eligible candidates from Friends' colleges, they will be open to graduates of other colleges. These Fellowships are intended for qualified men who wish to avail themselves of a year in the Quaker environment of Haverford to pursue graduate studies in the fields of religion, philosophy, sociology, history, and kindred subjects. Each candidate and his proposed schedule of study must be approved by the Committee on Graduate Students. Holders of these Fellowships may live at Haverford or, by arrangement with the Vice-President of the College, at the community of Pendle Hill, situated a few miles from Haverford.

Applications should be accompanied by the following records: a certified list of the applicant's courses and grades as an undergraduate; three letters concerning the character, personality, financial condition, and qualifications of the applicant; a copy of the catalog of the institution in which the applicant was an undergraduate; and three copies of a small photograph. Applications and other material should be in the hands of the Vice-President of Haverford College before March 1 to secure consideration for the following year.

*Charges.*—For charges and fees see pp. 26-28.





# COURSES OF INSTRUCTION

## COURSE NUMBERING

The numbering system used in this catalogue involves a two-digit number for each semester course. Courses numbered from 11 through 20 are open to Freshmen; courses numbered from 21 through 30 are open to Sophomores; courses numbered from 31 through 60 are open to Juniors; courses numbered from 61 through 80 are open only to Seniors; courses numbered from 81 through 99 are project courses open to Seniors, and often also to Juniors; in each department the course in preparation for the comprehensive examination is numbered 100.

When two course numbers, followed by a single description, are joined by a hyphen, the course is a year course; credit will not normally be given for the first semester without the second. When two course numbers, followed by a single description, are separated by a comma, the first semester may be taken without the second, though the two are normally taken together as a year course.

Unless otherwise stated, courses with uneven numbers are given in the first semester; those with even numbers in the second.

## ASTRONOMY

The departmental work is designed to give students an understanding of and an interest in the universe in which they live. At all times in the course work the relation of astronomy to the other fields of learning is kept to the fore. The courses progress from the elementary, through courses requiring more mathematical and physical background, to the strictly logical and critical development of a limited problem.

### MAJOR REQUIREMENTS

Astronomy 11-12, 31, 32, 51, 52, and 100.

Four courses to be chosen from Mathematics 21-22, 31, 61, and Physics 13-14, 21, 32.

Three written comprehensive examinations of three hours each.

11-12. DESCRIPTIVE ASTRONOMY—*Four hours. Three class periods and one laboratory period a week.* Mr. Wilson.

Our knowledge of the motions, composition, organization, and evolution of the solar system, stars, and galaxies is presented, together with explanations of the methods by which this information is obtained. The laboratory work consists of visual, photographic, and spectroscopic observations of the sun, moon, planets, stars, and nebulae. These observations are treated as illustrations of the theory of optical instruments and the theory of measurement. Year course. Offered annually.

31. ASTROPHYSICS—*Three class periods a week.* Mr. Green.

An introduction to spectroscopy and statistical mechanics leads to the study of ionic and molecular equilibria in the atmospheres of the stars, in the diffuse nebulae, and in interstellar space. Prerequisite: *Physics 13-14* and *Mathematics 21-22*; Junior or Senior standing. Semester course.

Not offered 1948-49.

32. ASTROPHYSICS—*Three class periods a week.* Mr. Green.

The transfer of radiation in stellar atmospheres and the internal constitution of the stars. Prerequisite: *Physics 13-14* and *Mathematics 21-22*; Junior or Senior standing. Semester course.

Not offered 1948-49.

81, 82. SPECIAL TOPICS IN ASTROPHYSICS—*Three class periods a week.* Mr. Green.

The content of this course may vary from year to year to suit the needs of advanced students. It may be repeated for credit. Prerequisite: Considerable maturity in Mathematics, Physics, and Astronomy, such as *Mathematics 61*, *Physics 21*, and *Astronomy 31*; Senior standing. Semester course.

Not offered 1948-49.

## BIBLICAL LITERATURE

The courses in this Department are intended to give opportunity for study of our literary, moral, and religious heritage from the cultures which flourished in the Eastern Mediterranean lands where the roots of our civilization lie.

Those courses which are specifically Biblical in content are directed toward appreciation and understanding of Old and New Testaments and Apocrypha, their history, meaning, and interpretation. These courses cover broadly the historical backgrounds, literary qualities, and enduring religious values in these works of creative genius. Course 11, a survey of the whole Bible, is recommended as properly introductory to this field, but it is not a prerequisite for election of all other courses in the Department. Courses 12, 13, and 22, somewhat more advanced, place emphasis respectively upon the growth of religious ideas, the beginnings of the Christian movement, the literary history and art of the Bible, and its influence upon English and other literatures. Most of these courses deal inevitably with the wider implications of Biblical teachings in the religious life of man and the world. Advanced research or conference courses offer opportunity for intensive work by individual students on problems of archaeological, historical, philosophical, or religious interest. Course 30 affords study of the broad background of the great early culture-centers of the Near East, where the first significant steps toward civilization were taken, many of whose achievements have come down in unbroken line into our western civilization. Finally, a course in comparative religion (Biblical Literature 23) is designed to acquaint the student with the nature and significance of religion in various cultures of our modern world.

Besides helping to orient the student in his religious thought and life, the work in this Department may serve as a broad foundation for graduate study looking toward teaching, the ministry, or other professional service.

### MAJOR REQUIREMENTS

Six half-year courses in Biblical Literature, and Biblical Literature 100.

Six other half-year courses in either Biblical Literature or related departments, such as English, History, Philosophy, Psychology, Sociology.



Special study of one selected Biblical field, e.g., history, literature, the Old or New Testament.

A comprehensive examination covering the history, literature, and criticism of the Bible, and the religious and moral life of the Hebrews, Jews, and Christians.

**11. INTRODUCTION TO THE BIBLE—*Three periods a week.* Mr. Flight.**

Literary history of the Biblical books; problems of origins, growth, interpretation, literary and religious values. Semester course.

Offered annually.

**12. DEVELOPMENT OF CHRISTIAN THOUGHT—*Three periods a week.* Mr. Flight.**

Exploration of selected problems and principles of Christian living, with reference to their backgrounds and their meaning and application to contemporary life. Prerequisite: *Biblical Literature 11, 13, or 23.* Semester course.

Offered annually.

**13. THE RISE OF CHRISTIANITY—*Three periods a week.* Mr. Flight.**

A study of the background, early development, and spread of the Christian movement, up to the third century, as reflected in the New Testament, particularly in the book of Acts and the letters of Paul, and in the writings of the Church Fathers. Semester course.

Not offered in 1948-49. To be offered in 1949-50.

**22. THE ENGLISH BIBLE—*Three periods a week.* Mr. Flight.**

(Also called *English 22.*)

History and literary art of the English Bible, particularly the King James version, and its influence on English and other literature. Not open to Freshmen. Semester course.

Not offered in 1948-49.

**23. COMPARATIVE RELIGION—*Three periods a week.* Mr. Flight.**

A comparative study of the great living religions, their founders, their scriptures, their characteristic ideas and ideals. Not open to Freshmen. Semester course.

Offered in 1948-49 and alternate years.

**30. ANCIENT HISTORY OF THE NEAR EAST—*Three periods a week.* Mr. Flight.**

(Also called *History 30.*)

The beginnings of Western civilization in the cultures of the Near East; archaeological and historical. Not open to Freshmen. Semester course.

Offered in 1948-49 and alternate years.

**81 or 82. SPECIAL TOPICS—ADVANCED SEMINAR—*Three periods a week.* Mr. Flight.**

Individual work to be elected by the student from one or more of the following divisions of the field: literature, archaeology, history, philosophy. Prerequisite: A grade of 85 or more in one course in the department. Limited to six students. May be repeated for credit with change of content. Semester course.

Offered annually.

## BIOLOGY

The courses in Biology are planned to meet the needs of the general student, as well as those of the specialist. Since man is himself a living organism, knowledge of the generalizations derived from studies of living organisms is reasonably to be considered part of the equipment of every educated man.

The careers opening from a background of undergraduate biology courses are: (a) medicine, dentistry, and veterinary medicine, all of which require some undergraduate biology—a field of endeavor which may be termed *biological correction*; (b) positions in wild life and fish and game services, forestry, agriculture, animal husbandry—a field which may be termed *biological control*; (c) positions in museums and other research and curatorial capacities which may be termed *biological investigation*; (d) teaching.

Beginning with the basic course, Biological Science 11, sequences can be planned leading through the various other courses to advanced individual work in Botany, in Ecology, in Entomology, and in Vertebrate Zoology or Vertebrate Anatomy. Such advanced work should be elected and registered as Biology 81, 82.

### MAJOR REQUIREMENTS

The minimum Major requirements consist of Biological Science 11, Biology 12, 14, 31-32 plus three other semester courses in Biology. Any work in Biology 81, 82 is to be additional to the minimum.

Four semesters of work in at least two other fields of science, in courses to be approved by the Department after consultation.

Reading and reporting on some fifteen approved books, to be done at any time between the end of the Sophomore year and the comprehensive examination at the end of the Senior year.

Comprehensive examination, partly written and partly oral, near the end of the Senior year. The grade on this and the reported reading will be entered under the heading of Biology 100.

#### 11. BIOLOGICAL SCIENCE 11.

(See General Courses, p. 72.)

#### 12. GENERAL ZOOLOGY—*Four hours. Two class periods and two laboratory periods a week.* Mr. Dunn and Mr. Henry.

This is a strict course in structure and classification. The objective is a knowledge of the diversity of the animal kingdom and the methods employed in investigating and dealing with that diversity. The lectures will deal with the principles and practice of classification, the laboratory with the evidences for the structural basis for the classification. Required of all Biology Majors and of all premedical students. Prerequisite: *Biological Science 11*. Semester course. Offered annually.

14. BASIC BOTANY—*Four hours. Two class periods and one laboratory period a week.* Mr. Henry.

This course has been designed to extend the knowledge of general principles gained in *Biological Science 11* to the distinctive characteristics of plants. Structure, physiology, and classification are considered with particular attention to the special relationship of plants and plant activities to human welfare. Required of all Biology Majors. Prerequisite: *Biological Science 11*.

Offered annually.

21-22. VERTEBRATE MORPHOLOGY (Anatomy and Embryology)—*One class period and two laboratory periods a week.* Mr. Dunn.

The laboratory work of this course includes the dissection of the principal types of vertebrates. The lectures deal with the development, status, and history of the organ systems of vertebrates. Prerequisite: *Biology 12*. Year course.

Offered annually.

23-24. ENTOMOLOGY—*Two class periods and one laboratory period a week.* Mr. Henry.

The lectures and reading in this course furnish a background for the study of the physiology and anatomy of insects. The value of a knowledge of insects to man is stressed in both lectures and laboratory work. The preparation of a local collection is encouraged. Prerequisite: *Biology 12*. Year course.

Offered in 1948-49; not to be offered in 1949-50.

25. ADVANCED BOTANY—*Two class periods and one laboratory period a week.* Mr. Henry.

The work of this course consists of the identification of representative flowering plants, together with the study of their taxonomy, distribution, and economic importance. The preparation of a local collection is encouraged. Prerequisite: *Biology 14*.

Offered in 1948-49; not to be offered in 1949-50.

31-32. EVOLUTION, HEREDITY, AND OTHER GENERAL BIOLOGICAL PROBLEMS—*Three class periods a week.* Mr. Dunn.

This course is intended not only for students of Biology, but for all who wish to be informed on recent developments in the field of biology, especially students of Sociology, Philosophy, and History. Special emphasis is given to the modern theories of evolution and of heredity. Prerequisite: Junior standing. Year course.

Not offered in 1948-49; to be offered in 1949-50.

61-62. FUNDAMENTALS OF SYSTEMATICS—*Three hours.*

Given at the Philadelphia Academy of Sciences. Open only to Seniors, with consent of the Department. Year course.

81, 82. PROJECT COURSES—*Three hours.* Required of all candidates for Honors in Biology. Open only by permission of the instructor.

VERTEBRATE ZOOLOGY. Mr. Dunn.

Classification and evolution of vertebrate groups.

ADVANCED MORPHOLOGY. Mr. Dunn.

Study of morphological problems in animals.

ECOLOGY AND DISTRIBUTION. Mr. Dunn and Mr. Henry.

Problems of habitat relationships or distributional relationships of plants and/or animals.

ADVANCED BOTANY. Mr. Henry.

Studies in comparative anatomy of plants.

## CHEMISTRY

The program of courses in chemistry is planned for the purposes of sound education rather than of technical training. When taken in proper sequence they afford a developing knowledge of chemistry as a rational science. Fundamental principles are stressed but sufficient experimental and other factual material is introduced to render these principles clear and to illustrate their applicability. Emphasis is placed upon precision of observation, measurement, and statement, and upon the application of the inductive-deductive method of scientific development, with the aim of making the study of chemistry of value in other fields of learning and in daily living.

Men who intend to undertake graduate study in chemistry should complete the chemistry courses for the Major (see below) together with courses 44 and 45, and also German 13-14, Mathematics 21-22, and Physics 13-14. This is in accord with the level of accomplishment recommended by the American Chemical Society, which has placed Haverford on its approved list. For the courses in chemistry required for pre-medical preparation, see page 41.

Students whose scholastic record prior to entrance indicates a satisfactory proficiency in elementary chemistry may enter the more ad-



vanced course, Chemistry 13, directly from high school. All others desiring work in chemistry must first pass Physical Science 11-12. Chemistry 14 may be elected following course 13, and Chemistry 21 and 22 following Physical Science 11-12. Chemistry 14 or 22 is prerequisite to more advanced courses in chemistry.

### MAJOR REQUIREMENTS

Chemistry 13 and 14 (or their equivalent), 23, 25, 26, 28 (or 31, 32, 63), and 100.

Physics 13-14, and two additional advanced courses in Chemistry.

The comprehensive examination will cover the Chemistry courses listed together with selected topics in the field of chemistry.

Majors will meet with members of the Staff for one period per week for a critical discussion of the chemical principles studied in the courses and the application of these principles to modern developments in the science.

Candidates for Final Honors in Chemistry will pursue, during the Junior and Senior years, a course of reading and conference on the history of chemistry, recent advances in chemistry, and the philosophy of science. They must satisfy the Department as to their ability to read chemical German and must acquire some knowledge of the methods of original chemical research and some skill in the art of glass blowing. The Honors program should be arranged with the Major Supervisor at the beginning of the Junior year.

13. **PRINCIPLES OF INORGANIC CHEMISTRY**—*Four hours. Three class periods and one laboratory period a week.* Mr. Jones, Mr. Cadbury, and Assistants.

Elective for those who have had high school chemistry. Lectures dealing with the fundamental laws and theories of chemistry, the periodic arrangement and properties of the elements, solutions of nonelectrolytes and electrolytes, spectrum analysis, radioactivity, atomic numbers, isotopes, and the theories of atomic and molecular structure and their application in representing chemical reactions. The laboratory work includes elementary analytical tests for inorganic ions. Prerequisite: High school chemistry. Semester course.

Offered annually.

14. **QUALITATIVE ANALYSIS**—*Four hours. Two class periods and two laboratory periods a week.* Mr. Meldrum, Mr. Cadbury, and Assistants.

Lectures and recitations dealing with reaction kinetics and the application of the ionic theory to analytical processes and to electrolytic phenomena. The systematic qualitative analysis of inorganic materials using the semimicro method constitutes the laboratory work. Prerequisite: *Chemistry 13*. Semester course.

Offered annually.

21. **INORGANIC CHEMISTRY**—*Four hours. Three class periods and one laboratory period a week.* Mr. Cadbury.

Lectures and laboratory work dealing with the preparation, properties, and uses of the more common elements and their compounds, and the application



of the general principles of chemistry to industrial processes. The laboratory work includes elementary analytical tests. Prerequisite: *Physical Science 11-12*. Not open to Freshmen. Semester course.  
Offered annually.

22. **QUALITATIVE ANALYSIS**—*Four hours. Two class periods and two laboratory periods a week.* Mr. Cadbury.

Lectures on ionic equilibria and their application to qualitative analytical chemistry. The systematic qualitative analysis of inorganic materials using the semimicro method constitutes the laboratory work. Prerequisite: *Chemistry 21*. Not open to Freshmen. Semester course.  
Offered annually.

23. **QUANTITATIVE ANALYSIS**—*Four hours. Two class periods and two laboratory periods a week.* Mr. Meldrum and Mr. Benfey.

Lectures and laboratory work dealing with the general principles of gravimetric, volumetric, electrolytic, and colorimetric methods of analysis. Prerequisite: *Chemistry 14* or *22*. Limited to forty students. Semester course.  
Offered annually.

24. **ADVANCED QUANTITATIVE ANALYSIS**—*One class period and two laboratory periods a week.* Mr. Meldrum.

Lectures and conferences dealing with general methods for the quantitative determination of the elements and the analysis of industrial materials. The laboratory work includes the complete quantitative analysis of certain inorganic materials. Prerequisite: *Chemistry 23*. Semester course.  
Offered annually.

- 25, 26. **ORGANIC CHEMISTRY**—*Four hours. Three class periods and one laboratory period a week.* Mr. Meldrum and Mr. Jones.

A study of aliphatic, aromatic, and heterocyclic compounds. In the laboratory, experiments illustrating the synthesis and chemical properties of such substances are carried out. Prerequisite: *Chemistry 14* or *22*. Limited to forty students. Year course.  
Offered annually.

28. **PREMEDICAL PHYSICAL CHEMISTRY**—*Three class periods a week.* Mr. Benfey.

A lecture and conference course dealing particularly with those phases of physical chemistry which find application in physiology, physiological chemistry, and other medical school subjects. Among the topics discussed are: gases and solutions, hydrogen ion concentration and *pH* and their measurement, reaction velocity and catalysis, enzyme action, adsorption, and colloids. Prerequisite: *Chemistry 23*. Semester course.  
Offered annually.

- 31, 32. **PHYSICAL CHEMISTRY**—*Four hours. Three class periods and one laboratory period a week.* Mr. Cadbury.

A study of the general properties of matter, using both the kinetic and thermodynamic methods, colligative and electrolytic properties of solutions, reaction

velocity and catalysis, adsorption, colloids, and the phase rule. The laboratory work involves illustrative physico-chemical measurements. Prerequisite: *Chemistry 23, Mathematics 21-22, and Physics 13-14*; Junior standing. Year course. The first semester may be taken alone for credit.

Offered annually.

62. ADVANCED INORGANIC CHEMISTRY—*Three class periods a week.* Mr. Jones.

Lectures and conferences dealing with advanced phases of inorganic chemistry, such as modern concepts of valence, Werner's complexes, intermetallic compounds, metal hydrides, isotopes and their application in research. Prerequisite: *Chemistry 23, 26, and Physics 13-14*; Senior standing or consent of the instructor. Semester course.

Offered annually.

63. ADVANCED ORGANIC CHEMISTRY—*Four hours. Two class periods and two laboratory periods a week.* Mr. Benfey.

A study of stereochemistry, carbohydrates, amino acids and proteins, essential oils, and alkaloids. The laboratory work involves the identification of organic substances by classification reactions and by the preparation of derivatives. Prerequisite: *Chemistry 26*; Senior standing or consent of the instructor. Limited to thirty-two students. Semester course.

Offered annually.

64. ORGANIC SYNTHESSES—*Four hours. Two class periods and two laboratory periods a week.* Mr. Benfey.

A study of organo-metallic compounds, rearrangements, unsaturated systems, and special preparative reactions of organic chemistry. Special syntheses constitute the laboratory work. Prerequisite: *Chemistry 26 and 63*; Senior standing or consent of the instructor. Semester course.

Offered annually.

65. QUANTITATIVE ANALYTICAL METHODS—*One class period and two laboratory periods a week.* Mr. Jones.

Lectures and laboratory work dealing with micro, semimicro, instrumental, and other special methods of quantitative analysis. Prerequisite: *Chemistry 23 and 26*; Senior standing or consent of the instructor. Semester course.

Offered annually.

81 and 82. CHEMICAL RESEARCH—*Three conferences a week.* Mr. Meldrum and Staff.

Open only to Senior Chemistry Majors and to Graduate students in chemistry. May be elected as one or more courses. Prerequisite: *Chemistry 23, 26, and 28 or 32*. May be taken in either semester; may be repeated for credit with change of content. Semester course.

Offered annually.

84. SPECIAL TOPICS IN THEORETICAL CHEMISTRY—*Three conferences a week.* Mr. Meldrum.

Open only to Graduate students in Chemistry. Semester course.

Offered annually.

## ECONOMICS

The work in Economics is intended primarily to give students an understanding of the working of modern economic society, to give practice in the interpretation of economic data, to arouse an informed interest in public affairs, and to give the basis for the formation of intelligent judgments in the field of economic policy. The elementary course is designed to give the basic understanding of economic processes and of economic organization that should be part of a liberal education in the modern age. The advanced courses also are given as part of a program of liberal education, but at the same time are designed to meet the needs of men going into business or finance, or going on to graduate work in economics or business administration. Several of the advanced courses should be of special value to men planning to enter the foreign service or other fields of government work, or going into journalism or law. In the advanced courses emphasis is placed on the use of source materials and on research methods in economics; and students are given practice in the preparation of analyses and reports.

Economics is part of the larger field of the Social Sciences and has close relations with many aspects of the Natural Sciences. Men majoring in Economics are required to take supporting courses from Political Science, History, and Sociology; and are encouraged to take work in the Natural Sciences and the elementary course in Statistics offered by the Department of Mathematics.

### MAJOR REQUIREMENTS

Economics 21-22, 31, 37, 61, 100, and three other half-year courses in Economics. Mathematics 23 (Introduction to Statistics) may be considered as one such half-year course. Economics 100 consists of selected readings on the history of economic thought and on current economic problems.

Sociology 21, and three other half-year courses in supporting fields, as approved by the professors concerned.

A seven-hour comprehensive examination covering a review of the Major courses and the readings. A part of the comprehensive examination may be oral.

**21-22. ELEMENTARY ECONOMICS—*Three periods a week.* Mr. Teaf and Mr. Hunter.**

The purpose of this course is to acquaint the student with the main features of modern economic life, and to develop an understanding of the principles underlying economic relationships. Emphasis is laid on the application of these principles to present-day problems. Prerequisite: Sophomore standing. Year course.

Offered annually.

**31. MONEY AND BANKING—*Three periods a week.* Mr. Street.**

A study of the history and principles of money, credit, and banking, with particular reference to American conditions. Such problems as monetary standards, price movements and their effects, foreign exchange, commercial banking and central banking, and the Federal Reserve System are considered. Prerequisite: *Economics 21-22.* Semester course.

Offered annually.

**32. INTERNATIONAL ECONOMICS—*Three periods a week.* Mr. Street.**

A study of foreign trade and exchange, international payments and trade problems connected therewith, money and banking in their international aspects, and international indebtedness. Prerequisite: *Economics 21-22.* Semester course.

Offered annually.

**34. SOCIAL SECURITY—Mr. Somers.**

(See *Political Science 34.*)

**35. PUBLIC FINANCE—Mr. Herndón.**

(See *Political Science 35.*)

**36. LABOR ECONOMICS AND LABOR RELATIONS—*Three periods a week.* Mr. Teaf.**

(Also called *Sociology 36.*)

A study of the fundamentals of the employer-employee relationship, such as wages, hours, security; the functioning of labor organizations and government; the purposes and methods of collective bargaining. Special emphasis is placed on methods of resolving industrial conflict. Prerequisite: *Economics 21-22.* Semester course.

Offered annually.

**37. ACCOUNTING—*Three periods a week.* Mr. Hunter.**

The balance sheet and statement of profit and loss; the classification of accounts; the theory of debit and credit; the books of original entry and of record; opening and closing the books; corporation accounts, reserves, etc. Discussion is accompanied by practice problems. This course is intended to provide an understanding of accounting sufficient for students going into the professions as well as a foundation for advanced accounting courses for those who will go into business. Prerequisite: *Economics 21-22.* Semester course.

Offered annually.

**38. THE CORPORATION—*Three periods a week.* Mr. Hunter.**

Economic functions and legal responsibilities of the corporation and its members; types of securities; general financial policy; the distribution of securities;



expansion, combination, and reorganization. Social problems created by the growth of corporations are given special attention. Prerequisite: *Economics 37*. Semester course.

Offered annually.

39. GOVERNMENT AND BUSINESS—*Three periods a week*. Mr. Teaf.

(Also called *Political Science 39*.)

A study of the economic basis, the historical development, and the present problems of the regulation of business organization and policies by government. Special attention is given to such topics as the trust movement, anti-trust legislation, the Federal Trade Commission, competitive practices, cartels and trade associations. Prerequisite: *Economics 21-22*. Semester course.

Offered annually.

40. THE SOVIET ECONOMY—*Three periods a week*. Mr. Hunter.

An analysis of the changing structure of the economy of the U.S.S.R., after brief treatment of the pre-Revolutionary economy. Topics to be examined: the process of industrialization; problems of location of industry, agriculture, and transport; theory and practice of a planned economy. Prerequisite: *Economics 21-22*. Semester course.

Not offered in 1948-49; to be offered in 1949-50.

61. NATIONAL INCOME AND INVESTMENT—*Three hours a week*. Mr. Hunter.

A study of the meaning of national income and the methods of measuring it; its distribution in the United States; the economic effects of the allocation of national income as between consumption, investment, and hoarding; the significance of investment in the modern economy; the effects of governmental policy upon income distribution. Intended primarily for Economics Majors, but open also to qualified students from other departments. Prerequisite: *Economics 31*; Senior standing. Seminar. Semester course.

Offered annually.

62. SEMINAR IN ECONOMIC PROBLEMS—*Three hours a week*.

This seminar will deal with an economic problem of current importance, with emphasis on the relation between economic analysis and the formulation of public policy.

The subject of the course may shift from year to year, or the same topic may be continued for several years, depending on developments in world economic affairs. In case of a shift in the subject matter of the course, it may be repeated for credit. Prerequisite: *Economics 21-22*. Semester course.

Offered annually.

Subject, 1947-48 and 1948-49: HUMAN NATURE AND ECONOMIC BEHAVIOR. Mr. Street.

81, 82. SEMINAR—*Three hours a week*. Mr. Teaf.

Readings, reports, and conferences on selected topics, to meet the individual needs of Graduate students. Open to Graduate students and Majors only. Semester course.

Offered annually, if required.



## ENGINEERING

The objective of the Engineering Department of Haverford College is to prepare students in the fundamentals of engineering by giving them training in the sciences and engineering, together with a broad liberal arts background under the influence of the philosophical and religious atmosphere available to all Haverford students.

Students not intending to enter the highly specialized fields of design and research will find the Haverford course ample for their needs. Graduates of Haverford who have majored in engineering are admitted to the student-engineers' courses of the leading industrial companies on equal terms with graduates of the larger engineering colleges. Those who desire more specialized training before entering the active work of the profession are granted substantial credit toward advanced standing in technical institutions or are admitted to their graduate schools.

Engineering 33 and 34 may be counted as courses in Physics for the purpose of satisfying any curricular requirements.

### MAJOR REQUIREMENTS

Engineering 11, 12, 21, 22, 23, 31, 32, 33, 34 and 100; Mathematics 21-22, Physics 13-14, and either two half-year courses in Chemistry, or Physical Science 11-12 and one half-year course in Chemistry.

Engineering seminar (a two year, non-credit course) and comprehensive examination.

Courses in Mathematics, Physics and Chemistry will be considered preliminary courses as defined on page 36.

#### 11. PRINCIPLES OF ENGINEERING DRAWING AND SHOP METHODS—

*Three laboratory periods a week. Mr. Hetzel and Mr. Wilson.*

Lettering, projection, perspective, sketching, conventions, detail and assembly drawings. Exercises in machine-tool work. Inspection trips. Text: Luzadder, *Engineering Drawing and Problems in Engineering Drawing*. Semester course. Offered annually.

#### 12. ENGINEERING DRAWING, SURVEYING, AND SHOP METHODS—

*Three laboratory periods a week. Mr. Hetzel, Mr. Holmes, and Mr. Wilson.*

Additional work on detail and assembly drawings. Exercises in machine-tool work. Two periods per week for the last eight weeks in the Spring are spent on Plane Surveying. Lectures by outside specialists in the various branches of engineering will be arranged for orientation purposes. Inspection trips. Prerequisite: *Engineering 11*. Semester course.

Offered annually.

21. **KINEMATICS OF MACHINES**—*One class period and two laboratory periods a week.* Mr. Hetzel.  
Velocity and acceleration analysis of mechanisms; cams, belts, chains, gears, etc. Inspection trips. Text: Keown and Faires, *Mechanism*, and Headley, *Problems in Kinematics*. Prerequisite: *Engineering 11* or consent of the instructor. Semester course.  
Offered annually.
22. **ANALYTICAL MECHANICS**—*Three class periods a week.* Mr. Holmes.  
A study of forces and moments of forces; determination of forces in trusses and cranes; centroids and center of gravity; rectilinear and curvilinear motion; translation and rotation of bodies; work, power, and energy; impulse and momentum; balancing and moments of inertia. Text: Seely and Ensign, *Analytical Mechanics for Engineers*. Prerequisite or parallel course: *Mathematics 21-22*. Semester course.  
Offered annually.
31. **THERMODYNAMICS**—*Three class periods a week and occasional laboratory periods.* Mr. Holmes.  
Energy, gas laws, vapors; mixtures of gases and vapors; theoretical and actual thermodynamic cycles for power and refrigeration. Text: Hawkins, *Thermodynamics*. Not open to Freshmen and Sophomores. Prerequisite: *Physics 13-14*. Semester course.  
Offered annually.
32. **MECHANICS OF MATERIALS**—*Two class periods and one laboratory period a week.* Mr. Holmes.  
A study of stress and strain, beams and columns, shafting, girders, combined stresses, etc. Inspection trips. Text: Laurson and Cox, *Mechanics of Materials*. Prerequisite: *Mathematics 21-22* and *Engineering 22*. Semester course.  
Offered annually.
33. **ELEMENTS OF ELECTRICAL ENGINEERING**—*Four hours. Three class periods and one laboratory period a week.* Mr. Benham and Mr. Wilson.  
Direct current circuits and machinery. The course includes electromagnetism, induced electromotive force, electric and magnetic fields, direct current motors and generators, commutation, armature reaction, parallel operation of generators, and the systems for distributing direct current. Prerequisite: *Physics 13-14*. Given jointly with *Physics 33*. Semester course  
Offered annually.
34. **ELEMENTS OF ELECTRICAL ENGINEERING**—*Four hours. Three class periods and one laboratory period a week.* Mr. Benham and Mr. Wilson.  
Alternating current circuits and machinery. Single phase and polyphase circuits, transformers, induction motors, generators, synchronous motors, single phase motors; transmission and distribution of alternating current; illumination. Prerequisite: *Physics 13-14*. Semester course.  
Offered annually.

## 81, 82. SPECIAL PROJECTS.

Required of candidates for High and Highest Honors in Engineering but open to all students with the necessary prerequisites. Students in Engineering are encouraged to do individual work in some special field of investigation.

The following fields of study are suggested:

FLUID MECHANICS. Mr. Holmes.

Prerequisite: *Mathematics 21-22* and *Physics 13-14*.

HEAT ENGINEERING. Mr. Holmes.

Prerequisite: *Physics 13-14*.

INTERNAL COMBUSTION ENGINES. Mr. Hetzel.

Prerequisite: *Physics 13-14*.

## ENGLISH LANGUAGE AND LITERATURE

The Department believes it essential to insure that all undergraduates should be able to use the English language efficiently. Freshmen, therefore, are required to prove their ability in this respect.

It believes, further, that the departmental curriculum must provide a general cultural background for those students whose interests are chiefly in the sciences or social sciences. It offers, therefore, intermediate courses in English and American literature.

It believes, finally, that courses must be provided for students who intend to specialize in English, and perhaps do graduate work in literature or related fields. It offers, therefore, advanced courses designed both in content and method to supplement the elementary and intermediate courses and to prepare for graduate work.

The Department recognizes that these purposes cannot be rigidly differentiated, and it has no intention that they should be. Considerable freedom of selection is possible for the individual student after appropriate consultation.

The attention of slow readers is called to the remedial work in reading offered by the Department of Psychology.

### MAJOR REQUIREMENTS

For each student an individual program equivalent to six two-semester courses, planned to suit his special interests but always stressing Elizabethan literature and nineteenth-century poetry and prose. The courses will in a few cases be entirely in the field of English, but more often they will include work in related fields. Students who contemplate graduate study in English must necessarily include Latin, French, and German. English courses always required are: 23, 31, 32, 34, 61, 62, and 63.

The comprehensive examination (never more than nine hours) is flexible enough to fit each of the several programs.

A student who wishes to work for Final Honors in English should apply to the Chairman of the Department during the first semester of his Junior year.

11. COMPOSITION, METHODS, AND PUBLIC SPEAKING—*Four periods a week.* Mr. Lester, Mr. Ashmead, Mr. Snyder, and Mr. Fox.  
Written composition, public speaking, methods and techniques of college work. Semester course.  
Offered each semester.
12. TYPES OF LITERATURE—*Three periods a week.* Mr. Snyder, Mr. Sargent, and Mr. Ashmead.  
Introduction to the study and appreciation of literature through reading and analysis of significant works of drama, poetry, fiction, and expository prose. Book reviews are required, and composition is stressed, though not so heavily as in English 11. Semester course.  
Offered each semester.
22. THE ENGLISH BIBLE—Mr. Flight.  
(See *Biblical Literature* 22.)
23. SHAKESPEARE—*Three periods a week.* Mr. Sargent.  
Reading and study of twelve plays, with emphasis on features of general and popular interest. Prerequisite: *English 12*; Sophomore standing. Semester course.  
Offered annually.
24. CONTEMPORARY DRAMA—*Three periods a week.* Mr. Snyder.  
A study of the techniques and practice of the modern drama, as illustrated in the works of Ibsen and the best modern dramatists of England and America. Not open to Freshmen. Semester course.  
Offered annually.
25. AMERICAN LITERATURE TO THE CIVIL WAR—*Three periods a week.* Mr. Snyder.  
Prerequisite: *English 12*; Sophomore standing. Semester course.  
Not offered in 1948-49; to be offered in 1949-50.
26. INTERMEDIATE COMPOSITION AND ORAL DISCUSSION—*Three periods a week.* Mr. Hoag.  
Practice in expository writing and in the techniques of public discussion. Prerequisite: *English 11*. Limited to twelve students. Semester course.  
Offered annually.
27. AMERICAN LITERATURE 1860-1900—*Three periods a week.* Mr. Snyder.  
Prerequisite: *English 12*; Sophomore standing. Semester course.  
Offered in 1948-49 and alternate years.
29. GREEK LITERATURE IN ENGLISH—Mr. Post.  
(See *Greek* 29.)
31. NINETEENTH-CENTURY POETRY—*Three periods a week.* Mr. Snyder.  
A study of six poets: Coleridge, Wordsworth, Shelley, Byron, Keats, and Tennyson. Lectures and classroom discussions. Prerequisite: *English 12*; Junior standing. Semester course.  
Offered annually.



32. NINETEENTH-CENTURY ENGLISH PROSE—*Three periods a week.* Mr. Lester.  
Lectures, discussions, and reading. Prerequisite: Junior standing. Semester course.  
Offered annually.
34. ELIZABETHAN LITERATURE—*Three periods a week.* Mr. Sargent.  
Chief writers of the English Renaissance, omitting Shakespeare. Prerequisite: *English 23*. Semester course.  
Offered annually.
35. EIGHTEENTH-CENTURY LITERATURE—*Three periods a week.* Mr. Ashmead.  
Novel and Drama. Prerequisite: *English 12*; Junior standing. Semester course.  
Offered annually.
36. EIGHTEENTH-CENTURY LITERATURE—*Three periods a week.* Mr. Ashmead.  
Dr. Johnson and his Club (Boswell's *Life of Johnson*); the chief poets: Pope, Gray, and Burns; *Ossian*. Prerequisite: *English 35*; Junior standing. Semester course.  
Offered annually.
37. CREATIVE WRITING—*Three periods a week.* Mr. Sargent.  
Practice in writing imaginative literature. Chiefly confined to prose fiction. Regular assignments, class discussion, and personal conferences. Prerequisite: *English 11* or *26*; Junior standing. Limited to twelve students. Semester course.  
Offered annually.
39. CHAUCER—*Three periods a week.* Mr. Hoag.  
A brief account of Middle English. The main emphasis is upon the literary qualities of *Troilus and Criseyde* and *The Canterbury Tales*. Prerequisite: *English 12*; Junior standing. Semester course.  
Offered annually.
40. BRITISH AND AMERICAN LITERATURE OF THE TWENTIETH CENTURY—*Three periods a week.* Mr. Sargent.  
Fiction and verse by selected writers from Conrad and Crane to Auden and Hemingway. Prerequisite: Two semester courses in English beyond the Freshman year. Semester course.  
Offered annually.
61. SPECIAL TOPICS IN NINETEENTH-CENTURY LITERATURE—*Three hours a week.* Mr. Lester.  
Studies in the development of nineteenth-century thought as expressed in English Literature. Three papers will be required of each student. Required of all English Majors. Prerequisite: *English 32* and consent of the instructor. Seminar. Semester course.  
Offered annually.



62. SPECIAL TOPICS IN POETRY—*Three hours a week.* Mr. Snyder.  
 Browning's Poems. Also treatises on poetic theory from Aristotle to Whitman. Prerequisite: *English 31* and consent of the instructor. Required of all English Majors. Seminar. Semester course.  
 Offered annually.
63. METHODS OF LITERARY SCHOLARSHIP—*Three hours a week.* Mr. Sargent.  
 An introduction to the aims, problems, and methods of research in English literature by means of an advanced study of Shakespeare. Biweekly reports and one piece of original investigation. Required of all English Majors. Prerequisite: *English 23* and *34* and consent of the instructor. Seminar. Semester course.  
 Offered annually.
- 210a. PLAYWRITING AND PRODUCTION (Given at Bryn Mawr College)—*Three hours a week.* Mr. Thon.  
 Writing of an adaptation and an original one-act play. Production of selected scripts and training in theatre arts. Not open to Freshmen. Semester course.  
 Offered annually.
- 210b. ADVANCED PLAYWRITING AND PRODUCTION (Given at Bryn Mawr College)—*Three hours a week.* Mr. Thon.  
 Writing of a full-length play and preparation of its production book. Prerequisite: *English 210a* and consent of the instructor. Not open to Freshmen. Semester course.  
 Offered annually.

## GENERAL COURSES

### BIOLOGICAL SCIENCE 11. GENERAL PRINCIPLES OF BIOLOGICAL SCIENCE—*Four hours. Three class periods and one laboratory period a week.* Mr. Dunn and Mr. Henry.

The object of this course is to impart to the student some knowledge and appreciation of the generalizations which have resulted from the study of living organisms. An outline of these generalizations and of their historical origin will be given in the lectures of the course. The discussion group periods will be utilized for clarification and testing. In the laboratory period opportunity will be afforded to utilize those methods of study, and to verify those generalizations which can be brought into the confines of a college laboratory. Limited to ninety-six students. Semester course.

Offered annually.

### HUMANITIES 21-22. INTERPRETATION OF LIFE IN WESTERN LITERATURE—*Three periods a week.* Mr. Pfund and Mr. Wylie.

Study in their entirety of selected literary works which are great imaginative presentations of attitudes toward life. Prerequisite: *English 12*; Sophomore standing. Year course.

Offered annually.

**HUMANITIES 31-32. CULTURE OF THE FAR EAST—*Three hours a week.***

Mr. Post.

This course is designed to introduce students to the life and literature of the Far East, through the use of translations, and to develop their mastery of a major field and of expository writing. G. Nye Steiger, *A History of the Far East*, is recommended for supplementary reading. Essays, weekly or biweekly, for discussion at individual meetings with the instructor. It may be taken as one or two half-courses in either half-year by a limited number of students who will be admitted only after a personal interview and only if there is still room for them when they apply to the instructor. Prerequisite: Junior standing. Limited to six students. Seminar. Semester course.

Offered annually.

**PHYSICAL SCIENCE 11-12. GENERAL PRINCIPLES OF PHYSICAL SCIENCE—*Four hours. Three class periods and one laboratory period a week.***

Mr. Sutton and Mr. Cadbury.

An integrated course on topics from physics, chemistry, and astronomy. The aim of this course is to give to both the science and the non-science student a broad understanding of some of the basic principles upon which all physical science is built. The selection of subject matter has been made with a view to thorough treatment of a few important ideas rather than to a superficial treatment of many. Year course.

Offered annually.

**SOCIAL SCIENCE 11-12. GENERAL COURSE IN SOCIAL SCIENCE—*Three periods a week.* Mr. Street, Mr. Reid, and Mr. Somers.**

The purpose of this course is to assist the student to acquire insight into human relationships and institutions, and to give him a sound basis for judgment in social problems. Year course.

Offered annually.

## **GEOGRAPHY AND GEOLOGY**

**32. CONSERVATION OF NATURAL RESOURCES—*Three hours a week.***

Mr. White.

Analysis of the basic principles of conservation of land, water, and mineral resources as they relate to social policy. Field study in selected areas. Prerequisite: *Biology 16b* or *Economics 22* or *Sociology 33*. Semester course.

Offered in 1948-49 and alternate years.

## GERMAN

The main objective of German study is the acquisition of the language as a means of access to the civilization of which it is the medium. The courses are planned and conducted with the aim of enabling the individual student to fulfill most effectively his prospective needs. Hence provision is made for acquiring a practical speaking knowledge of the language as well as the ability to read it for postgraduate research, for which in many fields it is indispensable, and for an appreciation of German literature.

German 11-12, 13-14, 15-16 and 23 are primarily language courses. The remaining courses are devoted largely to the history of German literature from the earliest times to the present, and to the intensive study of special periods and distinguished authors. The courses in literature are open to Juniors and Seniors, and to especially well qualified Sophomores.

The collateral reading required in German 13-14 and German 15-16 is in literary or scientific works, as the student chooses.

Opportunity is given to students who complete German 11-12 or German 13-14 with distinction to advance rapidly into higher courses by passing a special examination on a prescribed program of collateral reading. A plan is in effect by which students may obtain credit on the reading course either for German 13-14 or for German 15-16.

### MAJOR REQUIREMENTS

German 15-16, and 21-22, 23, 31, 32, 35, 36, 37, 38, and 100.

Supporting courses to be arranged in conference with the Major Supervisor.

A comprehensive examination covering: 1. The German language; 2. History of the German language; 3. German literature; 4. German history, 1517-1914; and 5. A special period, literary movement, or author.

11-12. **ELEMENTARY GERMAN**\*—*Five periods a week.* Mr. Kelly, Mr. Pfund, and Mr. Steer.

Grammar, conversation, and the reading of simple texts. Year course.

Offered annually.

13-14. **INTERMEDIATE GERMAN**—*Three periods a week.* Mr. Kelly, Mr. Pfund, and Mr. Steer.

Texts of moderate difficulty are read both in class and as outside work. Composition and conversation. Prerequisite: *German 11-12* or the equivalent. Year course.

Offered annually.

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\* This course meets five times a week, with corresponding reduction in outside preparation; three hours credit.

- 15-16. **ADVANCED GERMAN**—*Three periods a week.* Mr. Pfund.  
Reading of standard works of German literature. Composition and conversation. Prerequisite: *German 13-14* or the equivalent. Year course.  
Offered annually.
- 21-22. **LESSING, GOETHE, SCHILLER**—*Three hours a week.* Mr. Kelly.  
Prerequisite: *German 15-16* or the equivalent. Seminar. Year course.  
Offered annually.
23. **ADVANCED COMPOSITION AND CONVERSATION**—*Three periods a week.* Mr. Pfund.  
Readings in modern German literature, including works of contemporary writers, make up the subject matter of this course. Its objective is, accordingly, literary as well as linguistic. Prerequisite: *German 15-16* or the equivalent. Semester course.  
Offered annually.
31. **GERMAN ROMANTICISM**—*Three hours a week.* Mr. Kelly.  
A study of the Romantic movement in Germany and its relations to English and French Romanticism. Prerequisite: *German 15-16* or the equivalent. Seminar in part. Semester course.  
Not offered in 1948-49; to be offered in 1949-50.
32. **THE GERMAN DRAMA OF THE NINETEENTH CENTURY**—*Three periods a week.* Mr. Kelly.  
Semester course.  
Not offered in 1948-49; to be offered in 1949-50.
35. **HISTORY OF GERMAN LITERATURE FROM ITS ORIGINS TO THE SEVENTEENTH CENTURY**—*Three periods a week.* Mr. Pfund.  
Lectures in German, with collateral reading in modern German. Translation, discussion, written and oral reports. Prerequisite: *German 15-16* or the equivalent. Semester course.  
Offered in 1948-49 and alternate years.
36. **HISTORY OF GERMAN LITERATURE FROM THE SEVENTEENTH CENTURY TO THE PRESENT**—*Three periods a week.* Mr. Pfund.  
A survey course with lectures in German. Collateral reading, discussions, written and oral reports. Prerequisite: *German 15-16* or the equivalent. Semester course.  
Offered in 1948-49 and alternate years.
- 37 or 38. **SEMINAR COURSES**—*Three hours a week.*  
Prerequisite: At least one year course beyond *German 15-16*. Semester course.
- FAUST**—Mr. Pfund.  
An intensive study of Goethe's *Faust* in the original. Consideration is given to kindred works in European literature.  
Offered in second semester 1948-49.
- RICHARD WAGNER**—Mr. Kelly.  
A study of Wagner's music dramas and theoretical writings, with special reference to their place in the history of ideas.
- GERMAN LYRIC POETRY**—Mr. Pfund.



## GREEK

The work in Greek can be modified to suit the needs of individual students. The elementary course provides some insight into the culture of the ancient Greeks, and into linguistic problems generally, besides leading to a knowledge of Greek adequate for the reading of the Gospels and of easy classical authors. More advanced courses are intended for students with an interest in history, philosophy, or literature; the authors read are studied for their value in these fields. Students are encouraged, to the extent of their capacity, to develop an imaginative understanding of art, philosophy, and science as forces in human life. The special contribution of the Greeks in these fields will be assessed and its significance in European history and in current education will be noted. A knowledge of Greek is a great asset in many fields of graduate study.

### MAJOR REQUIREMENTS

Greek 31, 32, and four half-year courses selected in consultation with the Major Supervisor; Greek 100.

Three additional courses to be arranged in conference with the Major Supervisor.

If Greek 21, 22 is not taken in college, an additional half-course will be required.

A comprehensive examination on Greek language and literature, Greek history, and Greek civilization.

#### 11-12. ELEMENTARY GREEK—*Three periods a week.* Mr. Post.

Thorough study of the elements of the language followed by the reading of simple Attic prose. This course should be taken in the Freshman year, if possible. Year course.

Offered annually.

#### 21, 22. INTERMEDIATE GREEK—*Three periods a week.* Mr. Post.

A rapid reading course in such authors as Homer, Herodotus, and Euripides. Students may receive credit for 21 without taking 22. Prerequisite: *Greek 11-12* or the equivalent. Semester courses.

Offered annually.

#### 29. GREEK LITERATURE IN ENGLISH—*Three periods a week.* Mr. Post. (Also called *English 29.*)

Lectures on Greek literature. Reading of Greek poetry, drama, and literary criticism in translation. Essays and discussions. No knowledge of Greek is required in this course, but a general acquaintance with English literature is essential. Prerequisite: Sophomore standing. Semester course.

Offered annually.



31, 32. ADVANCED GREEK—*Three periods a week.* Mr. Post.

Selections from Plato, Menander, Aristophanes, and the tragedians are read. Prerequisite: *Greek 21, 22.* Semester courses.

Offered annually.

61, 62. ADVANCED GREEK—*Three periods a week.* Mr. Post.

The instructor will arrange with students electing this course a systematic study of special subjects in Greek philosophy, history, literature, or composition in connection with the reading of Greek authors. May be repeated for credit with change of content. Prerequisite: *Greek 31, 32.* Semester courses.

Offered annually.

## HISTORY

The courses in history are designed to give some conception of the development of the civilizations which exist in Europe and in the United States today. Since history is the story of what men have done, it is related to every other field in the curriculum, but the limitation of time forces a selection of those aspects of human activity which can be treated in any course. In all courses except History 33-34 an attempt is made to give a reasonably rounded view of those developments which are deemed most important in the period under consideration as a background for understanding other subjects in the fields of the humanities and the social sciences. With a variation of emphasis in each course, caused in part by the nature of the growth of civilization in the period and in part by the amount of the historical evidence which has survived from the period, attention is given to such phases of development as the political, constitutional, social, economic, religious, and intellectual. History 11-12 is intended to be an introductory course by the nature of the subject, which is closely related both to European and to American history, and by the practice given in organizing historical material and weighing its value. It is not, however, a prerequisite for the election of any other course in the Department.

The study of history provides a background against which many current problems of internal and external policies may be viewed to advantage. It also helps to develop critical standards for the evaluation of evidence which can often be applied in forming an opinion with regard to the solution of such problems. Finally, it is useful as a foundation for professional studies not only in history but also in such subjects as public administration, journalism, and law.

## MAJOR REQUIREMENTS

Four full-year courses (or three full-year courses and two half-year courses) in History, other than History 11-12; History 100.

Two full-year courses or their equivalent in related departments.

Four written examinations of three hours each.

11-12. ENGLISH HISTORY—*Three periods a week.* Mr. Lunt and Mr. Brown.

A survey of political, constitutional, economic, and social history, intended as an introductory course. Open to Freshmen and Sophomores. Year course.

Offered annually.

21-22. FOUNDATIONS OF THE UNITED STATES, 1492-1865—*Three periods a week.* Mr. Drake.

Lectures, reading, and discussion in American colonial and early national history. Not open to Freshmen. Year course.

Offered annually.

23-24. MEDIEVAL HISTORY—*Three periods a week.* Mr. Lunt.

A survey of the history of Europe from the time of the barbarian invasions to about 1500. Elective for Sophomores who have had *History 11-12*, and for Juniors and Seniors without prerequisite. Year course.

Offered in 1949-50 and alternate years.

25-26. MODERN EUROPEAN HISTORY—*Three periods a week.* Mr. Lunt and Mr. Brown.

A survey of the history of Europe from about 1500. Elective for Sophomores who have had *History 11-12*, and for Juniors and Seniors without prerequisite. Year course.

Offered in 1948-49 and alternate years.

27. GREEK HISTORY—*Three periods a week.* Mr. Comfort.

A survey of Greek history, with frequent reports on the art, archaeology, and political institutions of Greece. A knowledge of Greek is not required. Not open to Freshmen. Semester course.

Offered in 1948-49 and alternate years.

28. ROMAN HISTORY—*Three periods a week.* Mr. Comfort.

A survey of Roman history to the time of Constantine. Frequent class reports on special topics. A knowledge of Latin is not required. Not open to Freshmen. Semester course.

Not offered in 1948-49.

30. ANCIENT HISTORY OF THE NEAR EAST—*Three periods a week.* Mr. Flight.

(See *Biblical Literature 30.*)

31-32. NATIONAL DEVELOPMENT OF THE UNITED STATES, 1865 TO THE PRESENT—*Three periods a week.* Mr. Drake.

A study of institutional growth, with the larger social and political issues of the present considered in their historical setting. A lecture, reading, and discussion course, intended primarily for Juniors and Seniors. Year course.

Offered annually.

33-34. ENGLISH CONSTITUTIONAL HISTORY—*Three periods a week.* Mr. Lunt and Mr. Brown.

A study of the formation and growth of English institutions, designed to be useful particularly to those who are interested in government and law. Open to Juniors and Seniors. Year course

Offered in 1948-49 and alternate years.

## HISTORY OF ART

Under the co-operative arrangement between the Colleges, Haverford students who wish to take advanced courses in History of Art may do so at Bryn Mawr College. The introductory course is given at Haverford.

In cooperation with the Department, the Undergraduate Art Club at Bryn Mawr offers studio practice and instruction in creative art. The studio is open to all interested students several afternoons a week throughout the year. There is no tuition fee and academic credit is not granted for this work.

## MAJOR REQUIREMENTS

Students majoring in History of Art are required to take four full courses (or the equivalent): the first year course, one of the second year courses, and two other courses, one of which shall be considered as an advanced course.

Allied subjects: English, French, German, History, Music, Philosophy.

The final examination for students majoring in History of Art consists of three parts of three hours each:

1. An examination conducted with slides and/or photographs testing the student's ability to identify important monuments and to analyze stylistic and iconographic elements within the field of major concentration.
2. A written examination on fundamental problems of style, evolution and cultural relationships in art. This examination will be based primarily on the first year introductory course.
3. A detailed examination on one of the following fields chosen from the broader field of major concentration:
  - a. Early Medieval Art
  - b. Gothic Art
  - c. Art of the Northern Renaissance
  - d. Italian Art after 1300
  - e. Art of the Seventeenth and Eighteenth Centuries
  - f. Modern Art (after 1800)

21-22. INTRODUCTION TO THE HISTORY OF ART (Given at Haverford College)—*Three periods a week.* Mr. Bernheimer.

This course deals with the history of Western art from its beginning in ancient Greece to modern times, with emphasis upon the Christian periods. It is conceived as a history of human values in terms of the visual forms in which they have been cast. The course parallels *Humanities 21-22*. In order to bring out the human significance of art, religious and philosophical ideas are discussed as they influenced the form and subject matter of art.

An introductory section deals with aesthetic principles and their application in the fields of painting, sculpture, and architecture. The purpose of the course is threefold: to widen the student's comprehension of past attitudes and beliefs so that he will be better able to understand his own; to enlarge his range of aesthetic appreciation; and to give him the technical knowledge required for further studies in the history of art. Not open to Freshmen. Year course.

Offered annually.

The following courses will be given at Bryn Mawr College during 1948-49:

201. EARLY ITALIAN ART—*Three periods a week.* Mrs. Levy.

- a) Architecture, painting, and sculpture from the 13th century to the high Renaissance.

202. LATER ITALIAN ART—*Three periods a week.* Mr. Bernheimer.

- b) From the High Renaissance to the 18th Century with some consideration of Italian influences on the baroque arts of Spain and Germany.

203a. EARLY MEDIEVAL ART—*Three periods a week.* Mr. Soper.

From the Early Christian period to the Romanesque.

203b. ROMANESQUE AND GOTHIC ART—*Three periods a week.* Mr. Bernheimer.

The arts of the early and high Middle Ages.

301. ART OF THE FAR EAST—*Three periods a week.* Mr. Soper.

Chinese and Japanese art from the earliest dynasties to the present, including a survey of Indian art as an introduction to Buddhism in the Far East.

302. MODERN ART—*Three periods a week.* Mrs. Levy and Mr. Soper.

In the first semester the pictorial arts are traced from David to the present day; in the second semester, the development of architecture and sculpture in the same period.



## LATIN

The Latin Department offers instruction in the language, literature and civilization of the Roman people. Knowledge of the Latin language is fundamental to an understanding and proper use of the English and Romance languages; familiarity with the Latin classics is an indispensable background for the Western European literary tradition; and the history and civilization of Rome provides an explanation of, and parallels to, many pressing contemporary political, economic, social, and religious problems.

Principal emphasis is laid upon meeting the Roman legacy through the medium of the Latin language; but for those whose knowledge of Latin is too limited for this purpose, Latin 22 offers an opportunity to examine selected topics.

A minimum of two years of elementary Latin is required for admission to all other Latin courses.

### MAJOR REQUIREMENTS

Four full-year courses, some of which may be taken at Bryn Mawr College, and Latin 100. The Latin Department reserves the right to exclude Latin 11-12, in individual cases, from consideration as fulfilling a part of the Major requirements.

Four additional semesters in other departments, to be arranged in conference between the student and the Major Supervisor.

A written comprehensive examination. Candidates for Honors must pass an oral examination also.

13-14. LATIN LITERATURE—*Three periods a week.* Mr. Comfort.

For students offering two or three years of preparatory Latin. Review of grammar and vocabulary; reading in Vergil and other authors. Year course. Offered annually.

15, 16. LATIN LITERATURE—*Three periods a week.* Mr. Comfort.

For students offering Latin 13-14 or four years of preparatory Latin. Reading of Roman comedy, and of authors of the Republic and the Augustan Age. Semester courses. Offered annually.

22. SURVEY OF ROMAN PROBLEMS—*Three periods a week.* Mr. Comfort.

An attempt to analyze the Roman attitude toward certain persistently significant literary, philosophical, and political problems. Lectures and collateral reading in translation; no knowledge of the Latin language is required. Prerequisite: Sophomore standing. Semester course. Offered annually.

23, 24. INDIVIDUAL TOPICS IN LATIN LITERATURE—*Three periods a week.* Mr. Comfort.

Systematic study of one or more aspects of Latin literature and Roman life. Prerequisites: at the discretion of the Latin Department. May be repeated for credit with change of content. Offered either semester.

Offered annually.



## MATHEMATICS

The aims of courses in Mathematics are: (1) to promote rigorous thinking by exhibiting a systematic, deductive intellectual discipline; (2) to explain the role which Mathematics has played in the development of the culture of our age; (3) to foster technical competence in Mathematics as an aid to the better comprehension of the physical, biological, and social sciences, and philosophy.

Freshman Mathematics is designed to provide that background of trigonometry, algebra, analytic geometry, and elementary calculus which is essential for any serious student of the natural and social sciences and which is culturally desirable for all.

The more advanced courses cover work in the fields of analysis, algebra, geometry, and statistics. The student majoring in the department extends his studies into all of these areas; he may prepare for teaching in preparatory school, for graduate study leading to college teaching or industrial research, or for statistical and actuarial work.

The sequence in analysis and algebra, Mathematics 21-22, 31, 32, 33, 34, 61, is especially suited to the needs of the physical sciences, while Mathematics 23 and 38 deal with those concepts of statistics and probability which are fundamental to the biological and social sciences.

### MAJOR REQUIREMENTS

Mathematics 13-14, 21-22, 31, 32, 33, 34, 35, 36, 61, 82, and 100.

Recommended collateral courses are Physics 13-14, 32, 61, 62, or, for prospective actuaries, Economics, 21-22, 37.

Prescribed parallel reading on the history and general principles of mathematics.

Three written comprehensive examinations, each three hours in length. An oral examination will be required for Final Honors.

It is recommended that facility in reading French and German be acquired as early in the college course as possible.

13-14. FRESHMAN MATHEMATICS—*Four periods a week.* Mr. Oakley, Mr. Thomsen, Mr. Tomber and Mr. Wilson.

Functions and graphs; the differential and integral calculus of polynomials; plane trigonometry; analytic geometry in the plane with applications to conics and other curves; introduction to the geometry of three dimensions. Selected topics in college algebra.

For students presenting trigonometry for entrance to college an advanced section is provided in which trigonometry is replaced by advanced solid geometry and additional topics in college algebra. Year course.

Offered annually.

- 21-22. **CALCULUS**—*Three periods a week.* Mr. Coble and Mr. Thomsen.  
Differential and integral calculus, with applications. Prerequisite: *Mathematics 13-14.* Year course.  
Offered annually.
23. **INTRODUCTION TO STATISTICS**—*Three periods a week.* Mr. Oakley.  
Tabular and graphic methods, frequency distributions, averages, measures of central tendency, dispersion and skewness, correlation, tests of significance. Lectures and computing laboratory. Prerequisite: *Mathematics 11-12.* Semester course.  
Offered annually.
31. **DIFFERENTIAL EQUATIONS**—*Three periods a week.* Mr. Oakley.  
Methods of solution of the standard types of ordinary differential equations with applications to problems in physical science. Prerequisite: *Mathematics 21-22.* Semester course.  
Offered annually.
32. **ADVANCED CALCULUS**—*Three periods a week.* Mr. Oakley.  
Advanced topics in calculus, including infinite series, elliptic integrals, partial derivatives, Jacobians, line integrals, and Stokes' Theorem. Prerequisite: *Mathematics 21-22.* Semester course.  
Offered annually.
33. **THEORY OF EQUATIONS**—*Three periods a week.* Mr. Coble.  
Advanced topics in the theory of equations; introduction to modern abstract algebra. Prerequisite: *Mathematics 21-22.* Semester course.  
Offered 1948-49; not to be offered 1949-50.
34. **VECTORS AND MATRICES**—*Three periods a week.* Mr. Coble.  
The algebra of vectors, vector spaces, and matrices, with applications to mathematical physics. Prerequisite: *Mathematics 21-22, 33.* Semester course.  
Offered 1948-49; not to be offered 1949-50.
35. **ADVANCED ANALYTIC GEOMETRY**—*Three periods a week.* Mr. Allendoerfer.  
Advanced plane and solid analytic geometry. Homogeneous coordinates. Introduction to the geometry of  $n$ -dimensions. Prerequisite: *Mathematics 21-22.* Semester course.  
Not offered 1948-49; to be offered 1949-50.
36. **PROJECTIVE GEOMETRY**—*Three periods a week.* Mr. Allendoerfer.  
Projective geometry based on the axiomatic method. Synthetic and analytic aspects are considered. Introduction to non-Euclidean Geometry. Prerequisite: *Mathematics 21-22, 35.* Semester course.  
Not offered 1948-49; to be offered 1949-50.
38. **MATHEMATICAL STATISTICS**—*Three periods a week.* Mr. Oakley.  
Theoretical presentation of the mathematical background of elementary statistics and probability. Prerequisite: *Mathematics 21-22, 23.* Semester course.  
Not offered 1948-49; to be offered 1949-50.

61. PARTIAL DIFFERENTIAL EQUATIONS AND FOURIER SERIES—  
*Three periods a week.* Mr. Oakley.

Fourier Series and orthogonal polynomials with many applications to chemistry, engineering, and physics. Prerequisite: *Mathematics 31, 32.* Semester course.

Offered annually.

81 or 82. SPECIAL TOPICS—*Three hours a week.* Mr. Oakley and Mr. Thomsen.

Seminar course involving wide reading in the literature, and presentation of papers for group discussion. The content varies from year to year to suit the needs of advanced students. The course may be repeated for credit with change of content.

## MUSIC

The courses offered in Music have as their objective (1) the stimulation of the creative energies of the student through musical composition, and (2) the development of understanding of music and of thought concerning music as revealed in scientific and aesthetic treatises. In furthering and strengthening the discipline of music—one of the oldest in our culture—the College has no intention of training musical performers by conservatory methods. The intention is rather to form enlightened workers in the field of music.

The center of the Haverford instruction is therefore in laying the foundations of music for beginners and strengthening these foundations for those who have already been initiated into the art. Those who wish to take their degrees with a major in Music will have further opportunity to work in the larger forms of composition and to get an introduction into musicology.

A very important aspect of the music instruction is the laboratory work leading to public performances of the creative efforts of the students. To this end a series of informal concerts is given in a small auditorium before a limited audience.

### MAJOR REQUIREMENTS

Three full-year courses in Music and three full-year (or six half-year) courses in related fields, such as History of Art, advanced German, Elizabethan literature, Mediaeval history, or other courses in Music. These courses are to be arranged in conference with the professor in charge.

A comprehensive examination in two parts:

(1) The History of Music. Candidates will be expected to show a knowledge of all styles from the mediaeval chants to the romantic era, as well as a special knowledge, including acquaintance with sources, of one particular period, preferably anterior to 1600 A.D.

(2) Musical Composition. Candidates will be expected to submit compositions involving three- and four-part writing for voices (in free counterpoint) and instrumental scoring for an ensemble of the classical type.

11, 12. FOUNDATIONS OF MUSIC—*Two class periods and one laboratory period a week.* Mr. Swan.

In the first semester this course takes up the study of melodic writing in two and three parts (counterpoint), preparatory to which comes a thorough practice in the modes. Certain models from the 15th and 16th century are examined. The goal is the production of a three-part motet. In the second semester this free contrapuntal technique is transferred to writing for instruments (string trio and string quartet, or piano) in some of the forms of the 17th century (*ricercar*, *canzona*, *fugue*). Concurrently with composition there are class discussions of methods and styles. Limited to twenty students. Semester courses.

Offered annually.

21, 22. ADVANCED MUSICAL COMPOSITION—*One three-hour laboratory period a week.* Mr. Swan.

A continuation of the preceding for students who are able to attempt composition on a larger scale, in such forms as sonata, rondo and variation. Scoring for small orchestra. Limited to five students. Prerequisite: Music 11, 12 or its equivalent. Semester courses.

Offered annually.

S-3. SEMINAR—*One evening a week at Swarthmore College.* Mr. Swan.

Intended for students who have taken Music 11, 12 or 13, 14 and want to get an insight into the music of the remoter past (Middle Ages and Renaissance), or into the whole field of modern music. Texts: Reese, *Music in the Middle Ages*. Bessler, *Die Musik des Mittelalters und der Renaissance*. Medtner, *The Muse and the Fashion*. Glebov, *Russian Music*. Semester course.

Offered in 1948-49.

## PHILOSOPHY

The courses in Philosophy are intended first of all to acquaint students with the major currents of interpretation and reflection upon the recurring problems, such as the nature of man, the nature of the universe, the nature of the processes by which man apprehends and responds to that universe. Since these problems underlie the work of literature and furnish it with many of its most basic themes; since they underlie the presuppositions of political, sociological, and economic thought; since they reappear in the frame in which every thoughtful scientist works and affect not only the use to which his results will be put, but his very



method, just as his methods have influenced in turn the formulation of the problems, the study of philosophy is an important tool in connection with work in any of these fields.

In the second place the courses in philosophy are designed to assist in integrating material presented in literature, history, the social and physical sciences, in art, and in religion in order to assist the student in drawing together what he has learned, and in approaching a more responsible, intentional, and intelligent world view with which to confront life.

The courses are so planned as to require such orientation as would be secured in either Philosophy 11 (which examines in an elementary way the great problems man confronts) or Philosophy 21-22 (which deals with these same problems as it presents the great classical philosophical thinkers chronologically) before proceeding to the more specialized philosophical disciplines such as ethics, aesthetics, logic, political philosophy, philosophy of science, philosophy of religion, and to more specialized studies of certain philosophical thinkers.

### MAJOR REQUIREMENTS

Philosophy 12, 21-22, 100, and four other half-year courses in Philosophy; Psychology 21-22.

Four half-year courses in related fields to be arranged in conference with the Major Supervisor.

A comprehensive examination in two parts: three hours on the history of philosophy and three hours on one optional field selected from topics in philosophy since 1800, or religious thought, or psychology.

11. INTRODUCTION TO PHILOSOPHY—*Three periods a week.* Mr. Steere and Mr. Foss.

An understanding of the nature and function of philosophy and of its relations to other fundamental human interests such as science, religion, and art is sought through a consideration of representative philosophical problems.

Semester course.

Offered annually.

12. ETHICS—*Three periods a week.* Mr. Foss.

A study of (1) conflicts of ethical values involved in contemporary life; (2) certain classical ethical devices for resolving those conflicts; (3) the role of the individual and of the group in the realization of ethical values. Case material drawn from contemporary situations and from literature will be widely used. Discussions, lectures, and papers. Prerequisite: One semester-course in Philosophy. Semester course.

Offered annually.



- 21-22. HISTORY OF PHILOSOPHY—*Three periods a week.* Mr. Foss.  
A study of the development of philosophy with special reference to Plato, Aristotle, Descartes, Locke, Berkeley, Hume, Spinoza, Leibnitz, Kant, and Hegel. First-hand acquaintance with selected writings of these philosophers; reports, lectures, and class discussions. Not open to Freshmen. Year course. Offered annually.
23. CLASSICS OF RELIGIOUS LITERATURE—*Three periods a week.* Mr. Steere.  
A study which will include such books as Augustine, *Confessions*; Bernard of Clairvaux, *On Consideration*; Meister Eckhart, *Sermons*; *Little Flowers* of St. Francis of Assisi; Thomas à Kempis, *Imitation of Christ*; *Theologica Germanica*; Theresa of Avila, *Autobiography*; Francis de Sales, *Introduction to the Devout Life*; Lancelot Andrewes, *Preces Privatae*; Pascal, *Thoughts*; Isaac Pennington, *Letters*; John Wesley, *Journal*; John Henry Newman, *Apologia*; George Tyrell, *Autobiography*. Semester course.  
Offered 1948-49 and alternate years.
24. HISTORY AND PHILOSOPHY OF QUAKERISM—*Three periods a week.* Mr. W. W. Comfort.  
The Quaker Movement is studied in its relation to other intellectual and religious movements of its time, particularly those found in English philosophy. The development of the dominant Quaker conceptions is traced to the present day and critically examined. The course is designed for non-Friends as well as for Friends. Not open to Freshmen. Semester course.  
Offered in 1948-49.
25. PHILOSOPHY OF SCIENCE—*Three periods a week.* Mr. Schrecker.  
This course, designed for students with a general cultural interest as well as for those specializing in some one of the sciences, aims at an understanding of the nature of scientific knowledge, the logical methods of science, and the structure of scientific systems. The course will aid students of the special sciences in appreciating the manner in which the work of their own field expresses man's scientific interest and contributes to the scientific world-view. Prerequisite: One semester-course in Philosophy and one year-course in Science. Semester course.  
Not offered in 1948-49; to be offered in 1949-50.
26. AESTHETICS—*Three periods a week.* Mr. Foss.  
A study of the philosophical principles underlying the creative and appreciative aspects of art. Semester course.  
Offered in 1948-49 and alternate years.
32. NINETEENTH CENTURY THINKERS—*Three period a week.* Mr. Steere.  
Selected writings of Schopenhauer, Nietzsche, Tolstoy, and Bergson. Semester course.  
Offered annually.
- 63, 64. PHILOSOPHICAL SEMINAR—*Three hours a week.* Mr. Steere and Mr. Foss  
Specialized work in some restricted field of philosophic or religious thought is undertaken, the precise subject depending upon the needs of the students and the general interests of the group. Primarily designed for Seniors majoring in Philosophy and for Graduate students. Prerequisite: *Philosophy 21-22*; Majors only, except by special arrangement. Limited to ten students. Year course.  
Offered annually.

65-66. THE DEVELOPMENT OF POLITICAL THOUGHT—*A two hour seminar and one class period a week.* Mr. Steere, Mr. Post and others.

(Also called *Political Science 65-66.*)

A seminar course based upon the writings of selected political philosophers from Plato to the present day. Prerequisite: *Philosophy 11* or *21-22*; one semester of Political Science; otherwise by consent of the Department. Limited to sixteen students. Year course.

Offered annually.

## PHYSICAL EDUCATION

Courses in Physical Education are arranged in accordance with the plan for all-year physical training in the Freshman, Sophomore and Junior years. The aim of this plan is to make possible active participation in athletics for the majority of students at Haverford College, with emphasis on the sports with carry-over value. Beginning with the class of 1951 (entering Sept., 1947) each student will be required to take, during his first three years, nine terms (fall, winter, spring) of Physical Education or of certain non-academic courses (see p. 99), with a minimum of six terms in Physical Education, three in the Freshman year, two in the Sophomore year, and one in the Junior year.

A thorough medical and physical examination is given to each student upon entrance. A tuberculin test is given to all Freshmen, followed by an x-ray if necessary, as part of this required examination. A swimming test is given to all entering students following the physical examination. This test must be passed by all students before graduation. Swimming instruction is given in the gymnasium pool during the early fall and late spring. Only those students whose physical condition is satisfactory will be permitted to take part in athletics.

The outdoor facilities include: Walton Field for football and track, with a 440-yard oval and a 220-yard eight lane straight-away cinder track; the Class of 1888 and Merion fields for soccer, both of which are used for baseball and softball in the spring; a skating pond; Cope Field for cricket; an athletic field presented by the Class of 1916; a baseball field presented by the Class of 1922, used also for soccer in the fall; and twelve tennis courts, five of which were presented by the Class of 1923. There are four dinghies available during the spring and fall for those who wish to sail.

The indoor facilities are all included in the Gymnasium. The basement contains dressing rooms, showers, a swimming pool, a wrestling room, and a training room. Through the generosity of the Class of 1928, it has recently been possible to provide additional locker and dressing facilities, a new storage room for athletic equipment, and a laundry and drying room. A regulation basketball court is on the main floor and is used for Varsity and Junior Varsity Basketball, the interclass and intramural program, and for instruction in Physical Education. Adjoining this floor are dressing facilities for instructors, for coaches and officials, and rooms for the administration of medical and physical examinations. A special section for corrective and body-building work, an indoor track, a trophy room, and the administrative offices are located on the second floor.

11. PHYSICAL EDUCATION—*Three hours a week.* Mr. Randall, Mr. Haddleton, Mr. Evans, Mr. Docherty, Mr. Bramall, and Mr. Spealler.

A course of elementary instruction in athletic games, including football, soccer, basketball, tennis, golf, track, volley-ball, handball, badminton; partly elective. Special corrective exercises for men who need them, during the winter term.

12. PHYSICAL EDUCATION—*Three hours a week.* Mr. Randall, Mr. Haddleton, Mr. Evans, Mr. Docherty, and Mr. Bramall.

A course of advanced instruction in athletic games, with emphasis on intramural sports.

13. PHYSICAL EDUCATION—*Three hours a week.* Mr. Randall, Mr. Haddleton, Mr. Evans, Mr. Docherty, and Mr. Bramall.

A course, almost entirely elective, involving participation in some organized and supervised athletic activity.

## PHYSICS

Courses in Physics are intended to acquaint students with important fields of knowledge, to train them in analytical thinking, to give them an appreciation of the scientific method, and to help them gain insight into the methods of experimental investigation.

All students of the Liberal Arts, whether or not they plan to specialize in science, will find value in the integrated course called Physical Science 11-12. This course undertakes to develop an appreciation of the methods of science based upon a thorough treatment of a limited number of selected topics.

Students of physics, medicine, engineering, mathematics, chemistry or other sciences will find the foundation offered by General Physics (Physics 13-14) indispensable. Physics 13-14 is ordinarily taken in the Sophomore year after Mathematics 11-12 or Physical Science 11-12, but Freshmen with adequate preparation may be admitted.

For the student with professional aims in science, the Department offers courses leading to a Major in Physics which should equip a man to enter graduate school or industry on a favorable footing. Sound knowledge of mathematics is essential. Ability to understand and use the calculus is assumed in most of the advanced courses. The Department desires to cultivate in its Major students independence of thought and initiative at progressive levels of maturity; to that end, a sequence of courses following Physics 13-14 has been arranged, culminating in Physics 65, 66. The latter offers opportunity to conduct an extended individual investigation with training in the mastery of theory and experiment, and emphasis upon independence and the ability to express oneself clearly on the subject of investigation. Physics 65, 66 is not, however, limited to students majoring in Physics; it may be elected by others after consultation.

Physics 21 is open to qualified students who seek a broad understanding of modern concepts of matter and radiation. Physics 31, 32 and 61, 62 are particularly recommended to students of chemistry, mathematics, and engineering who plan to do graduate work.

### MAJOR REQUIREMENTS

Physics 13-14, 33-34, 65, 66, and either 61, 62 or 22, constitute the minimum requirement of courses in this Department. In addition, Physics 21 and 32 are strongly recommended.

Mathematics 31, and three semesters among courses in Chemistry, Engineering, Astronomy, or additional Mathematics.

History of physics (collateral reading).

A written comprehensive examination in three parts: (a) on general physics and history; (b) two examinations on advanced courses. In addition, an oral examination is expected of candidates for Honors. The granting of Honors in Physics is based upon excellence (an average of 85 or better) in course work, particularly in Physics 65, 66, and evidence of accomplishment beyond the usual course requirements.



Students who desire to combine a Major in Physics with advanced work in some other related department may do so by special arrangement between the two departments concerned. In such cases, a program is mapped out with some modification of the requirements normally expected of a Major in a single department.

11-12. PHYSICAL SCIENCE 11-12.

(See General Courses, page 69.)

13-14. GENERAL PHYSICS—*Four hours. Three class periods and one laboratory period a week.* Mr. Sutton.

This is the basic course for work in physics, engineering, chemistry or other sciences. Mechanics, sound, heat, electricity, and light are studied with the help of problems, laboratory experiments, lecture demonstrations, and discussion. This course is commonly taken in the Sophomore year, but qualified Freshmen are admitted. Algebra and trigonometry are essential and the methods of calculus are frequently employed. Freshmen must offer four years of high school mathematics and a year of high school physics or chemistry, and should take *Mathematics 11-12* concurrently. Sophomores who have passed *Mathematics 11-12* or *Physical Science 11-12*, or both, will be admitted. Text: Mendenhall, Eve, Keys, and Sutton, *College Physics*. Year course.

Offered annually.

21. ATOMIC PHYSICS—*Three class periods a week and occasional laboratory periods.* Mr. Sutton.

A course of lectures, class experiments, discussion, and outside readings on atoms, electrons, neutrons, ionization, photoelectricity, x-rays, radioactivity, atomic and nuclear structure, cosmic radiation, and an introduction to quantum mechanics. This course emphasizes the experimental rather than the more theoretical aspects of modern physics. Prerequisite: *Physics 13-14*, or consent of the instructor. Semester course.

Offered annually.

22. OPTICS AND PHOTOGRAPHY—*Three class periods a week and occasional laboratory periods.* Mr. Sutton.

A study of the principles of physical optics followed by a systematic study of the photographic process. Laboratory work includes both measurements in optics and photographic dark-room manipulations. Prerequisite: *Physical Science 11-12* or *Physics 13-14*. Semester course.

Not offered in 1948-49.

32. MECHANICS—*Three class periods a week.* Mr. Sutton.

Analytical mechanics, treating the statics, kinematics, and dynamics of particles and rigid bodies. Lectures and problems on the application of calculus and



vector methods to mechanical systems, including a brief treatment of Lagrange's equations and the special theory of relativity. This course and Physics 61, 62 are complementary. Text: Synge and Griffith, *Principles of Mechanics*. Prerequisite: *Physics 13-14* and *Mathematics 31* (or *Mathematics 31* may be taken concurrently); Junior or Senior standing. Semester course.

Not offered 1948-49. (Refer to *Engineering 22*.)

33-34. ELECTRICITY AND MAGNETISM—*Four hours. Three class periods and one laboratory period a week.* Mr. Benham.

A course of lectures, readings, and laboratory experiments designed to familiarize the student with precision electrical measurements, Kirchhoff's laws, Gauss's theorem, magnetic circuits, potential, capacitance, inductance, alternating current, and the laws of the electro-magnetic field. Text: Page and Adams, *Principles of Electricity*. Prerequisite: *Physics 13-14* and *Mathematics 21-22*; *Mathematics 31* should be taken previously or concurrently. Year course.

Offered annually.

61, 62. INTRODUCTION TO MATHEMATICAL PHYSICS—*Three class periods a week.* Mr. Thomsen.

Lectures and problems on selected topics in mathematical physics, such as vector analysis, mechanics, hydrodynamics, thermodynamics, kinetic theory, wave motion, theory of electric fields, etc. Text: Page, *Introduction to Theoretical Physics*. Prerequisite: *Physics 13-14* and *Mathematics 31*. Year course, but students from other departments may take first semester only.

Offered annually.

63, 64. ELECTRONICS—*Four hours. Three class periods a week and one laboratory period.* Mr. Benham.

This course includes circuit theory (resonant and coupled circuits, filter networks, impedance matching, etc.), electron theory, study and application of vacuum-tubes, and problems pertaining to design and analysis of typical circuits employing them. Laboratory experiments are designed to give the student experience in applications of circuit theory and in the handling of apparatus in which electronic tubes are used. Some industrial applications are studied. Prerequisite: *Physics 31* or *Engineering 25, 26*. Year course, but students from other departments may take first semester only.

Offered annually.

65, 66. PHYSICS SEMINAR—*One meeting a week and individual study and laboratory.* Mr. Sutton and Mr. Benham.

Individual work in selected fields of investigation. Each student pursues comprehensive reading and sustained experimental work on a problem. Weekly meetings are held with the members of the Department to discuss the progress in each field of investigation. Each student becomes familiar with problems other than his own and gains experience in presenting his own work. Not restricted to Major students. Year course. By permission, one semester only may be elected.

Offered annually.

## POLITICAL SCIENCE

The Political Science curriculum is designed to give the student an understanding of political organization and political forces in modern society, to provide knowledge and a basis for insight and judgment on the problems involved in the relationship of the individual to the state and of governments to one another. The broad areas of study include: analysis of political theory in relation to its institutional environment; comparison and appraisal of different types of governments and their political organization; American political institutions; and problems of international relations.

The tools of analysis include theory and experience. The purposes and the actual workings of political institutions are appraised. In advanced courses, emphasis is placed upon individual research and analysis—practice in location, organization, and presentation of data, and independent judgment.

The courses are designed primarily for a liberal arts education and are intended to create intelligent and lasting interest, and participation in the formulation of public policy. The training will also serve the practical needs of those men contemplating professional careers which involve an understanding of modern government.

Men majoring in political science are expected to understand the relationship of this field to other social studies and also the purposes and methods of the social sciences as a whole. They are thus expected to take supporting courses in economics, history, and sociology.

### MAJOR REQUIREMENTS

Political Science 23, 24, 51-52, and three other semester-courses in Political Science.

Economics 21-22 and at least two other courses of one semester each in social sciences other than Political Science.

A seven-hour comprehensive examination covering the major fields of study. An oral examination may be substituted for any part of the comprehensive examination at the discretion of the Department.

Other selections of courses may be accepted by the Major Supervisor.

23. AMERICAN FEDERAL GOVERNMENT—*Three periods a week.* Mr. Bruns.

A study of the origin and structure of the American federal government system. Not open to Freshmen. Semester course.

Offered annually.

24. COMPARATIVE GOVERNMENT—*Three periods a week.* Mr. Bruns.

A philosophical and institutional analysis of foreign governments and political institutions with reference to contrasting ideologies, their determinants and implementation. Not open to Freshmen.

*Political Science 23* and *24* are designed and recommended as a year course. It is, however, permissible to take either semester independently.

Offered annually.

31. PARTIES, PRESSURES, AND THE PUBLIC INTEREST—*Three periods a week.* Mr. Somers.

A study of political parties, their organization and techniques, as an instrument of democratic government; the relationship of private associations to the party system; the role of such associations in a democracy; and the ultimate problem of how the public interest can be determined and served. Prerequisite: *Political Science 23*. Semester course.

Offered annually.

32. GOVERNMENT ADMINISTRATION AND PUBLIC POLICY—*Three periods a week.* Mr. Somers.

A study of administration as a central element of contemporary civilization with special reference to the problems involved in the development of the modern "service state"; administrative theory and process in relation to the formulation and execution of public policy. The approach is analytical rather than descriptive. Prerequisite: *Political Science 23*. Semester course.

Not offered in 1948-49.

33. CONSTITUTIONAL LAW—*One three hour period a week.* Mr. Bruns.

A study of the American Constitution and its institutional development by the Supreme Court in accordance with the expanding political, social, and economic concepts of the United States. Prerequisite: *Political Science 23*. Semester course.

Offered annually.

34. SOCIAL SECURITY—*Three periods a week.* Mr. Somers.

(Also called *Economics 34*.)

A study of the economic and political problems caused by the insecurity and hazards of modern industrial society, their social and political costs, methods of alleviation and control, with particular reference to social insurances and related governmental programs. The nature of public interest and public responsibility in relation to individual disaster is examined. Prerequisite: Junior standing or consent of the instructor. Semester course.

Offered 1948-49 and alternate years.

35. PUBLIC FINANCE—*Three periods a week.* Mr. Herndon.

(Also called *Economics 35*.)

A study of the general principles of public revenues, public expenditures, public indebtedness, fiscal administration, and of the principles of equity in the distribution of tax burdens. Prerequisite: *Political Science 23*, or *Economics 21-22*. Semester course.

Offered annually.

36. FEDERAL TAXATION—*Three periods a week.* Mr. Herndon.

A study of the principal aspects of taxation by the federal government with emphasis upon income and estate tax policies and problems, together with consideration of the leading constitutional law developments in this field. Prerequisite: *Political Science 23* or *Economics 21-22*. Semester course.

Offered annually.

37-38. INTERNATIONAL POLITICS AND ORGANIZATION—*Three periods a week.*

The foreign policies of the Great Powers; their influence upon the development of international law and organization. An attempt to study how this relationship can be adjusted to secure a peaceful but dynamic world order. Prerequisite: *Political Science 24*. Year course.

Not offered in 1948-49.

39. GOVERNMENT AND BUSINESS. Mr. Teaf.

(See *Economics 39*.)

51-52. AMERICAN FOREIGN POLICY—*Three periods a week.* Mr. Sollmann.

A historical analysis of United States foreign policy followed by a critique of current American foreign relations with respect to the forces determining policy formulation, the factors influencing its development, and the impact of its implementation. Prerequisite: Junior standing. Year course.

Offered in 1948-49 and alternate years.

64. LAW IN THE SOCIAL ORDER—*Three hours a week.*

The interrelationship between the theory and practice of law and the social order within which it operates is examined philosophically, historically, and practically with a view to projecting the relationship in a universal society. Prerequisite: *Political Science 23, 24, and 33*. Limited to 12 students. Seminar. Semester course.

65-66. THE DEVELOPMENT OF POLITICAL THOUGHT. Mr. Steere.

(See *Philosophy 65-66*.)

81. SEMINAR IN AMERICAN POLITICAL THOUGHT AND INTERPRETATIONS—*Three hours a week.* Mr. Somers.

An approach to understanding the enduring significance of the American heritage through the study of distinguished political and social writings. Semester course.

Offered in 1948-1949.

82. SEMINAR IN POLITICAL ANALYSIS AND PUBLIC POLICY—*One three hour period a week.* Mr. Somers.

Advanced readings, research, and reports adjusted to the individual needs and special interests of students. Group conference method. Open only to Graduate students and Senior Majors in Political Science, or by permission of the instructor. Semester course.

Offered in 1949.



## PSYCHOLOGY

Courses in Psychology are intended to acquaint the student with the factors which underlie his own mental processes and the mental processes of those about him. The subject deals primarily with an understanding of the problems of human adjustment to environment. In addition to the basic and possibly unique contribution which psychology can make to a general education, the study of psychology is of especial significance for students who are preparing themselves for business, law, medicine, the ministry, or other fields in which the professional man is called upon to deal with other human beings.

### MAJOR REQUIREMENTS

Psychology 21-22, 31-32, 33, 34, 61, 82, and 100.

Comprehensive examination.

- 21-22. GENERAL PSYCHOLOGY—*Four hours. Three demonstration lectures and one laboratory period a week.* Mr. Sanford and Miss Zaretsky.

A systematic survey of the basic facts and principles in the various fields of psychology. Year course.

Offered annually.

- 31-32. HUMAN RELATIONS—*Three periods a week.* Mr. Sanford.

(Also called *Sociology 31-32.*)

The course is designed to increase the understanding of inter-personal relations in modern society. It will concern itself mainly with materials from social psychology, but will draw relevant facts and principles from other fields of psychology, and from other social sciences. Prerequisite: *Sociology 21, 22, or Psychology 21-22.* Year course.

Offered annually.

33. EXPERIMENTAL PSYCHOLOGY—*Three class periods and one laboratory period a week.* Mr. Pepinsky and Miss Zaretsky.

A survey of the psychological processes (sensation, perception, attention) which lend themselves most readily to experimental methods. Prerequisite: *Psychology 21-22.* Semester course.

Offered annually.

34. PSYCHOLOGY IN MENTAL HYGIENE—*Three periods a week and occasional visits to clinics conducted by Dr. Edward A. Strecker, Professor of Psychiatry, School of Medicine, University of Pennsylvania.* Mr. Pepinsky.

Consideration is given to the dynamics of behavior and adjustment; motivation and its modification by cultural and organic influences; forms of adjustment behavior, normal, neurotic, and psychotic; adjustments typical of different age levels; and adjustments influenced by counseling. Prerequisite: *Psychology 21-22.* Semester course.

Offered annually.



36. **ADVANCED PSYCHOLOGY**—*Three periods a week.* Mr. Steere.

A study of the nature and functioning of personality by an examination of personality in difficulties. Both the forms of abnormal behavior and the modern theories of psychotherapy will be studied. Lectures, class reports, and occasional trips to clinics. Prerequisite: *Psychology 21-22*, and consent of the instructor. Limited to twelve students. Semester course.

Offered in 1949-50 and alternate years.

61. **PSYCHOLOGY OF PERSONALITY**—*Three periods a week.* Mr. Pepinsky.

The study of the problems of development and organization of personality. Prerequisite: *Psychology 34*. Semester course.

Offered annually.

82. **SPECIAL TOPICS IN PSYCHOLOGY**—*Two hours of seminar discussion and one laboratory period a week.* Mr. Pepinsky.

A seminar for special work in restricted fields of psychology. A project course. Elective for Seniors by consent of the instructor. This course may be repeated for credit with change of content. Prerequisite: *Psychology 61*. Semester course.

Offered annually.

**REMEDIAL READING**—Mr. Pepinsky and Miss Zaretsky.

Designed to help students having difficulty with their rate and comprehension in reading. Telebinocular and ophthalmographic diagnosis is undertaken for each candidate. For corrective measures students are referred to appropriate agencies. Practice in the use of the Harvard Remedial Films and Equated Transfer Readings. No credit.

Offered each semester.

## ROMANCE LANGUAGES

The introductory courses are primarily language courses designed to give a thorough knowledge of grammar and accuracy of pronunciation as a basis for reading and conversation. The literature courses are devoted primarily to the history of the literature and to the intensive study of periods and authors. The courses in literature are open only to Juniors and Seniors and to especially well qualified Sophomores. Exceptional opportunities for developing oral facility in French and Spanish are afforded by residence in French House and Spanish House.

Admission of all new students to all French and Spanish courses, except French 11-12 and Spanish 11-12, is contingent upon placement examinations administered by the Department prior to the opening of such courses, on a date to be announced.

Opportunity is given to students who complete French 11-12 or

French 13-14, Spanish 11-12 or Spanish 13-14, with distinction to advance rapidly into higher courses by passing a special examination in September on a prescribed program of vacation study and reading.

## French

Students who might profitably spend their Junior year in France are encouraged to apply for admission to the Sweet Briar Foreign Study Group.

### MAJOR REQUIREMENTS

French 15-16, 24, 25, 27, 28, and 100.

Modern European History.

Supporting courses selected from the Latin, German, Spanish, and English languages and literatures; History of Art; Philosophy—to be arranged in individual conference.

A written and oral comprehensive examination on the language, literature, and history of France.

11-12. ELEMENTARY FRENCH—*Three periods a week.* Mr. Wylie and Mr. Gutwirth.

Grammar, pronunciation, and reading. Year course.

Offered annually.

13-14. INTERMEDIATE FRENCH\*—*Four periods a week.* Mr. Wylie and Mrs. Wencélius.

Grammar, oral practice, and reading. Prerequisite: *French 11-12* or the equivalent. Year course.

Offered annually.

15-16. INTRODUCTION TO FRENCH CIVILIZATION—*Three periods a week.* Mr. Wylie.

Geographic, cultural, and historical background of French literature; lectures, reading, discussion, and written reports. Prerequisite: *French 13-14* or the equivalent. Year course.

Offered annually.

21-22. ADVANCED TRAINING IN THE FRENCH LANGUAGE AND LITERARY STYLE—*Three periods a week.*

Normal prerequisites are *French 15-16* and a course in French literature, but exemption from the latter may be granted to well qualified students interested primarily in the language. Year course.

Not offered in 1948-49.

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\* This course normally meets four times a week, with corresponding reduction in outside preparation; three hours credit.

23. FRENCH LITERATURE THROUGH THE SIXTEENTH CENTURY—  
*Three periods a week.*  
 Lectures with collateral reading and reports on the history of early French literature. Prerequisite: *French 15-16*. Semester course.  
 Not offered in 1948-49.
24. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY—*Three periods a week.* Mr. Gutwirth.  
 Reading, reports, and discussion of the main currents of thought and the outstanding literary figures of the century. Prerequisite: *French 15-16*. Semester course.  
 Offered in 1948-49 and alternate years.
25. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY—*Three periods a week.* Mr. Gutwirth.  
 Reading, reports, and discussion of the main currents of thought and the outstanding literary figures of the century. Prerequisite: *French 15-16*. Semester course.  
 Offered in 1948-49 and alternate years.
27. ROMANTICISM AND REALISM—*Three periods a week.* Mr. Wylie.  
 Reading, reports, and discussion of the main currents of thought and the outstanding literary figures from 1800 to 1860. Prerequisite: *French 15-16*. Semester course.  
 Offered in 1949-50 and alternate years.
28. MODERN FRENCH LITERATURE—*Three periods a week.* Mr. Wylie.  
 From Baudelaire to Sartre. Prerequisite: *French 15-16*. Semester course.  
 Offered in 1949-50 and alternate years.

## Spanish

The courses offered in Spanish are designed to give the student a thorough knowledge of the Spanish language, and of Spanish and Spanish-American thought and culture. Elementary Spanish and Intermediate Spanish are primarily language courses, with emphasis on grammar, reading, and conversation. Even in these elementary courses the approach corresponds to the liberal tradition of the College, placing emphasis on the human value of the language, and its importance in international and continental solidarity and understanding. The elementary courses are followed by a general course in Spanish literature, as the basis for the more advanced courses covering special periods, works, and authors in Spanish and Spanish-American literatures. Students who have chosen Spanish as their Major subject are required to take supporting courses selected from the Latin, French, Italian, and

English languages and literatures; from History of Art and from Philosophy.

Exceptional opportunity for oral expression in Spanish is afforded by residence in the Spanish House. Haverford College is experimenting in a project, in Mexico, in which, in addition to formal instruction in Spanish, students will participate in service sponsored by the American Friends Service Committee. Students majoring in Spanish are advised to join this project, or a summer school in any of the Spanish speaking countries.

### MAJOR REQUIREMENTS

Four full-year courses, not counting Spanish 11-12 or 13-14; Spanish 100.

History of Spain and Spanish America, as a background for literature.

Supporting courses to be arranged in individual conference with the Major Supervisor.

Written and oral comprehensive examinations.

11-12. ELEMENTARY SPANISH\*—*Five periods a week.* Mr. Asensio and Mrs. Asensio.

Grammar, with written and oral exercises; reading; thorough drill in conversation. Year course.

Offered annually.

13-14. INTERMEDIATE SPANISH—*Three periods a week.* Mr. Asensio and Mrs. Asensio.

Review of grammar, with written and oral exercises; composition, reading, and conversation. Prerequisite: *Spanish 11-12* or the equivalent. Year course.

Offered annually.

15-16. ADVANCED SPANISH—*Three periods a week.* Mrs. Asensio.

Introduction to Hispanic civilization. Geographic, cultural, and historical background. Emphasis is laid on basic attitudes underlying the Spanish and Spanish-American culture pattern and contrasting with characteristic American attitudes. Lectures, reading, discussion, written reports. Prerequisite: *Spanish 13-14* or the equivalent. Year course.

Offered annually.

21-22. INTRODUCTION TO SPANISH LITERATURE—*Three periods a week.* Mr. Asensio.

A survey of Spanish literature from the beginnings to modern times; lectures, written and oral reports. Prerequisite: *Spanish 13-14* or the equivalent. Year course.

Offered annually.

\* This course meets five times a week, with corresponding reduction in outside preparation; three hours credit.



31. INTRODUCTION TO LATIN-AMERICAN LITERATURE—*Three periods a week.* Mr. Asensio.

A survey of Latin-American literature from the Colonial period to modern times; lectures, written and oral reports. Prerequisite: *Spanish 13-14* or the equivalent. Semester course.

Offered in 1949-50 and alternate years.

32. SPANISH LITERATURE OF THE GOLDEN AGE—*Three periods a week.* Mr. Asensio.

Cervantes, Lope de Vega, Tirso de Molina, Calderon; lectures, written and oral reports. Semester course.

Offered in 1949-50 and alternate years.

81, 82. SPECIAL TOPICS IN SPANISH LITERATURE—*Three periods a week.* Mr. Asensio.

Reading and lectures; written and oral reports. This course may be repeated, with change of content, for full credit. Semester courses.

Offered annually.

## RUSSIAN

11-12. ELEMENTARY RUSSIAN\*—*Five periods a week.* Miss deGraaff.

Russian grammar, conversation, and reading. Year course.

Offered annually.

21-22. INTERMEDIATE RUSSIAN\*—*Five periods a week.* Miss deGraaff

Grammar review, reading in Russian classics and contemporary material, conversation. Prerequisite: *Russian 11-12* or the equivalent. Year course.

Offered annually.

## SOCIOLOGY

The courses in Sociology are designed primarily to help the student understand the web of social relationships in which he must function. As the "science of human relations," sociology aims to throw light on the relationship of the individual to the group; of group to group; and of groups to the larger community in which they function.

The courses are given as a part of a program of liberal education; they are designed to meet the needs of men who would understand the pressing social problems of today.

### MAJOR REQUIREMENTS

Five half-year courses in Sociology, and Sociology 100.

Six other half-year courses, or their equivalent, chosen in consultation with the Major Supervisor from the following: Biology 31-32, Psychology 21-22, Social

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\* These courses meet five times a week, with corresponding reduction in outside preparation; three hours credit.



Science 11-12, Political Science 23, Economics 21-22, Mathematics 23, and courses in the Sociology Department of Bryn Mawr College, particularly Cultural Anthropology.

Additional selected readings covering a special field in sociology.

A four-hour comprehensive examination covering the field of sociology and related courses.

A three-hour examination, written or oral or both, covering a special field in sociology chosen by the student.

21. INTRODUCTORY SOCIOLOGY—*Three periods a week.* Mr. Reid.

The fundamental principles and methods of sociology with special reference to the structure and dynamics of society, culture, and personality; how these socio-cultural systems emerge, function, and change. Prerequisite (after 1948-49): *Social Science 11-12*. Semester course.

• Offered annually.

22. SOCIAL INSTITUTIONS—*Three periods a week.* Mr. Reid.

An analysis of the behavior of social institutions (church, school, family, sect, newspaper, etc.) as units of social organization and carriers of culture. In the course of study each student will analyze a specific institution. Prerequisite: *Sociology 21*. Semester course.

Not offered in 1948-49.

31-32. HUMAN RELATIONS—Mr. Sanford.

(See *Psychology 31-32*.)

33. POPULATION POLICIES AND PROBLEMS—*One or two periods a week.* Mr. Reid.

A study of the restrictive, expansive, and eugenic characteristics of national population policies and problems, with special reference to the phenomena of fertility and fecundity, birth and death rates, food supply, density, and migration. Special attention is given to current population problems in the Western Hemisphere. Prerequisite: *Sociology 21* or *Economics 21-22*. Semester course. Offered in 1948-49.

34. URBAN SOCIETY—*Three periods a week.* Mr. Reid.

This course is designed to study metropolitan areas as ecological and social communities, and the spatial aspects of urban institutional structures as influenced by personal, technological, economic, and social factors. Prerequisite: *Sociology 21*. Semester course.

Offered in 1948-49 and alternate years.

36. LABOR ECONOMICS AND LABOR RELATIONS—Mr. Teaf.

(See *Economics 36*.)

82. SOCIAL INVESTIGATION—*Two periods a week.* Mr. Reid.

The fundamental concepts, methods, and tools of scientific research in the social sciences. Special emphasis is given to the techniques and methods of attitude measurement (including public opinion polls), sociograms, and sociological surveys. Prerequisite: *Sociology 21*, *Mathematics 23*, and consent of the instructor. Required of all Sociology Majors. Semester course.

Offered annually.

## Non-Academic Instructions

The Faculty of Haverford College adopted in the spring of 1947 a program which involves a new departure in American education. This program is designed to cultivate aesthetic perception, creative control of materials, a love of fine workmanship, and other important areas of learning and of experience, such as community service, which have often been neglected in the liberal arts program. The Faculty feels that, though courses (called "units") in these areas cannot properly be included in the academic curriculum, they are of no less importance in the development of personality than strictly intellectual work.

Every student is required to take nine terms of work which is not academic in nature. It is mandatory that six of these terms be taken in Physical Education, three in the Freshman year, two in the Sophomore year, and one in the Junior year. The remaining three terms may be devoted either to offerings of the Department of Physical Education or to units in the program of Non-Academic Instruction described here. The first election of such units in Non-Academic Instruction may be made in the winter term of the Sophomore year.

In its non-academic work, the College insists on the same high quality of teaching which it demands in its curricular courses. A distinction in the two types of work is needed not because one is thought to be less important than the other, but because in the opinion of the Faculty the two kinds of work are different and should not be equated.

### COMMUNITY CENTER ACTIVITIES

Non-academic credit will be given to students who participate three hours a week during the winter term as group leaders in the activities of community services in Haverford, Ardmore, and Bryn Mawr. Activities include athletics, scouting, clubs, music, dramatics, hobbies, and other youth-leadership work. Competent social workers will supervise the work, and guidance will be given by sociologists to make the experience profitable.

PAINTING AND DRAWING—*Three hours a week.* Mr. Carbone.

METAL WORKING—*Three hours a week.* Mr. Holmes and Mr. N. Wilson.

The unit for beginners will be conducted in the fall and winter terms and will include machine tool work on the lathe, milling machine, shaper, and drill-press. Those who have sufficient skill will be permitted to use the scheduled period for approved projects of their own choice.

MUSIC APPRECIATION—*Three hours a week.* Mr. Reese.

This unit will be focused on the regular weekly broadcasts of operatic and symphonic music. Two hours per week will be devoted to the study and analysis of literature based on these programs. This will lead to a discussion of the art-forms, the composers, and to an appraisal of performance.

PHOTOGRAPHY—*Three hours a week.* Mr. Hetzel and Mr. N. Wilson.

The unit for beginners will be conducted in the winter term. It will include instruction in the use and characteristics of photographic equipment, the processing of films and papers, and the composition of subject material both indoors and outdoors. Those who already have some proficiency will be offered help and the use of facilities to work along lines of their own interests.

PUBLIC SPEAKING—*One two-hour period each week.* Mr. Snyder.

This unit, which will meet in the winter term, is based on the assumption that members, having taken required Public Speaking (English 11), have already had elementary training whereby they have been freed from stagefright and platform awkwardness. A large part of the time will be devoted to logic and to a fair-minded breakdown and analysis of controversial problems in order to enable the student to find impartially what are the main issues of a controversy and to test the validity of his own research and thinking.

THEATRE ARTS—*Three hours a week.* Mr. Thon.

Two units are offered, one in the fall and one in the winter term. The fall term will cover the technical elements of theatre production, such as designs for scenery, costume and make-up, charts for lighting, and scale drawings for technical work, followed by actual building and painting of scenery, hanging of lights, and application of make-up. The winter term will be devoted to acting and directing problems, centering on selected scenes from representative modern and classic plays. Either term may be taken independently.

WEEK-END WORK CAMPS—Mr. Richie and others.

Students electing this unit will spend three week-ends, spaced four weeks apart, participating in the work of renovating houses in slum areas in Philadelphia. Consultations with expert social workers and discussion within the camp group will promote an interest in and understanding of social problems.

## Extra-Curricular Activities

### STUDENT GOVERNMENT

The College Administration has delegated to the Students' Association the responsibility for nearly all aspects of student conduct on the campus; and the Students' Association has assumed this responsibility. Student Government is exercised through an elected Students' Council, on which are representatives of all the classes and of some of the undergraduate organizations.

The students at Haverford College believe that the success of self-government depends upon the individual's realization and acceptance of his social responsibilities. This concept forms the basis of the Haverford Honor System, which is a compact entered into by all members of the Students' Association. The Honor System is designed to maintain certain standards which represent the opinion of the Students' Association on what is desirable conduct on the campus. It applies to the conduct of examinations, the preparation of papers outside of class, to the rules governing the presence of women in the dormitories, and to some other aspects of college life. The Honor System is administered by the Students' Council with the active co-operation of all members of the Students' Association.

The Students' Council is an administrative and judicial body. It handles all phases of the administration of regulations for the Students' Association. It manages extra-curricular activities on the campus and allocates to each a percentage of the Student Activities Fee (\$15 per year, charged to every undergraduate as a part of the Unit Fee) on the basis of a yearly budget. In intercollegiate relations it serves as the representative of the Haverford student body.

The chairmanship of the Students' Council is the most important undergraduate office. The Chairman represents the student body before the Board of Managers, the College Administration, and the Faculty. He serves both as liaison officer and executive. He conveys to the College Administration the recommendations of the Students' Council in disciplinary matters.

The Honor Pledge, which is quoted below, is called to the attention of each applicant for admission to Haverford College. It is signed upon entrance, and is signed again whenever the student takes an examination, though its force is not limited to examinations only. In signing the pledge the individual student accepts the Honor System in its



entirety, as currently in force and as it may be changed while he is an undergraduate at Haverford. Every entering student should make sure, before selecting Haverford, that he can give his active support to the Honor System. He should realize that its success, which is of great importance to him personally and to the whole student body, and indeed to the College itself, depends upon his willingness to give it his complete support.

#### HONOR PLEDGE

"I hereby accept the Haverford College Honor System, realizing that it is my responsibility to safeguard, uphold, and preserve each part of the Honor System and the attitude of personal and collective honor upon which it is based."

THE STUDENTS' ASSOCIATION is made up of all undergraduates in good standing at Haverford College. It is the body for student self-government. The Students' Council is elected from among the members of the Students' Association, and carries most of the burden of leadership in the undergraduate body. In addition, the Students' Council annually appoints deputies, so that it will have representatives in every dormitory.

#### SOCIETIES AND ORGANIZATIONS

THE COUNCIL FOR STUDENT ACTION is an organization of men interested in political affairs. It includes several subsidiary groups, such as the following: International Relations Club, United World Federalists, Political Action Committee, Students' League for Industrial Democracy, and United Nations Student Council. The CSA conducts an Open Forum for the discussion of political matters of general interest.

THE INTER-FAITH ORGANIZATION is a group of men interested in religious matters. It conducts services on a non-sectarian basis, arranges discussion groups, and undertakes social work in the community.

THE W. W. COMFORT DEBATING SOCIETY elects to membership men who have shown a consistent interest in debating, and who have represented the College on more than one occasion. Every year, a series of intercollegiate debates is conducted.

THE CAP AND BELLS CLUB includes the dramatic society, which presents four plays a year, usually in conjunction with the dramatic society of Bryn Mawr College, the Glee Club, the orchestra, and the band. The undergraduate president of Cap and Bells is an ex-officio member of the Students' Council.



THE RADIO CLUB operates the college radio station, WHRC. Members of the club arrange programs, operate the station, and build or buy necessary equipment. The studios are located in the third floor of the Union Building.

THE VIC DANCE COMMITTEE runs victrola dances on announced dates, usually on Saturday evenings. Its members are appointed by the Students' Council.

THE FILM CLUB arranges for and presents interesting films, sometimes from the archives of the Museum of Modern Art, and sometimes in foreign languages.

THE NAUTICAL CLUB is composed of undergraduate students of the college. Its purpose is to promote an interest in sailing for pleasure and to engage in inter-collegiate dinghy racing. It is a member of the Inter-Collegiate Yacht Racing Association.

THE VARSITY CLUB of Haverford College, organized in 1936, is composed of undergraduates who have won varsity letters. Its purpose is to advance the interests of the College and of athletics in every way consistent with the high ideals of the College.

DEPARTMENTAL CLUBS. There are at Haverford various departmental groups, which arrange for outside speakers, and often for discussion groups. Among these are the French Club, German Club, Spanish Club, Mathematics Club, Biology Club, and Chemistry Club. Some of these clubs occasionally sponsor social gatherings.

### JOINT FACULTY AND STUDENT GROUPS

THE COMMITTEE ON STUDENT AFFAIRS is a joint committee made up of members of the Faculty and undergraduates. It is charged with supervising the arrangements for social affairs on campus, and with reviewing the budgets of various recognized student organizations.

THE CAMPUS CLUB is an association of graduates, faculty members, and undergraduates who are interested in maintaining and increasing the beauty of the college campus.

### STUDENT PUBLICATIONS

THE HAVERFORD NEWS is a weekly newspaper, sent to all undergraduates and to all members of the alumni body. It is published on Wednesdays, during term-time, altogether by undergraduates, who are also responsible for the business management of the paper. Its editor is an ex-officio member of the Students' Council.

THE QUARTO, which began publication in the spring of 1947, is a literary magazine which issues two numbers during each semester.

THE HAVERFORD COLLEGE HANDBOOK is published each fall under the auspices of the Students' Council. It contains information particularly valuable to new students.

THE RECORD is published annually by the Senior class, with the support of the Students' Association. It includes a record of the year, with particular emphasis upon the activities of the graduating class.

## Health Program

Each student is given a thorough examination at the beginning of the Freshman year, and at other times as recommended by the College physician. Chest x-rays are included in these examinations.

Each student is entitled to unlimited dispensary service, at stated hours, and first-aid service at any time.

In case of illness, each student is entitled to two weeks of residence in the Morris Infirmary each semester, ordinary medicine, diagnostic laboratory work, any x-rays needed for diagnosis, and the service of College physician and resident nurse.

Students will be charged \$5.00 a day for residence in the infirmary after their first two weeks. Day students will be charged for board while in the infirmary.

Each student is also covered by a blanket accident policy which pays actual expenses resulting from any accident up to a limit of \$500 for each accident. The expenses covered include x-rays, medicine, surgical appliances, hospital bills, nursing care, physician's fee, surgeon's fee, and also dentist bills for repair or replacement of natural teeth as a result of an accident. The coverage is in force from 12:01 A. M. Standard Time three days before the date when registration of entering students begins until midnight three days after Commencement Day.

All of these services are covered by the Unit Fee which is paid by all students (see page 26).

The infirmary, presented by John T. Morris, '67, contains ten beds, a surgical room, an isolation ward for contagious diseases, its own kitchen, and accommodations for a resident nurse. Every provision has been made for medical and surgical treatment of all cases among students during the college year. The danger of infection through illness in the college dormitories is thus minimized.

## Library, Laboratories, and Other Academic Facilities

### THE LIBRARY

The Haverford College Library illustrates the steady growth of the College in facilities for study and research. The original building, constructed in 1860, now forms the north wing of the Library. To this first structure four successive additions have been made. The last two of these, a commodious Stack and a Treasure Room, were dedicated in April, 1941.

The Haverford Library collection now contains about 180,000 volumes. Over four hundred literary and scientific periodicals are taken. Library endowments provide six thousand dollars yearly for the purchase of books. The Library is also a depository of government publications.

With the exception of certain rare books, all volumes in the Library are freely accessible to readers. Though designed especially for the use of officers and students of the College, the Library affords to others the privilege of consulting and, under certain restrictions, of withdrawing books. The Library is open on week-days from 8:00 A. M. to 11:00 P. M., and on Sundays from 1:30 to 11:00 P. M. Special hours are arranged for vacation periods.

THE GUMMERE-MORLEY MEMORIAL READING ROOM, decorated and equipped by the Class of 1892, provides a special reading and browsing room for Haverford students.

THE TREASURE ROOM contains the rare books and special collections and has facilities for the display of both permanent and temporary exhibitions.

#### *Special Collections*

THE QUAKER COLLECTION, containing both books and manuscripts, is probably the most complete in America. It forms a central repository for Friends' literature in this country, and makes Haverford a prime source for the study of the Society of Friends.

THE WILLIAM H. JENKS COLLECTION OF FRIENDS' TRACTS, mostly of the seventeenth century, numbers about fifteen hundred separately bound titles.

THE RUFUS M. JONES COLLECTION ON MYSTICISM contains almost a thousand books and pamphlets from the fifteenth century to the present day.

THE TOBIAS COLLECTION OF THE WRITINGS OF RUFUS M. JONES is practically complete. It consists of 168 separate volumes and 16 boxes of pamphlets and extracts.

THE CHARLES ROBERTS AUTOGRAPH COLLECTION contains more than 20,000 items, embracing not only autograph letters of authors, statesmen, scientists, ecclesiastics, monarchs, and others, but also several series of valuable papers on religious and political history.

THE CHRISTOPHER MORLEY COLLECTION OF AUTOGRAPH LETTERS comprises about 200 letters and memoranda selected by Mr. Morley from his correspondence files. Over 100 authors are represented.

THE FRANCIS B. GUMMERE MEMORIAL COLLECTION OF SHAKESPEARE FOLIOS was presented to the Library in 1947 by William P. Philips, '02.

THE HARRIS COLLECTION OF ANCIENT AND ORIENTAL MANUSCRIPTS contains over sixty Hebrew, Greek, Latin, Arabic, Syriac, and Ethiopian rolls and codices collected by J. Rendel Harris.

### *Affiliations*

Haverford maintains a cooperative arrangement with Bryn Mawr and Swarthmore whereby the facilities of the libraries of all three colleges are open to the faculty and students of each of the colleges.

THE PHILADELPHIA BIBLIOGRAPHICAL CENTER AND UNION LIBRARY CATALOG, the largest cooperative catalog in America, enables users of the Haverford Library to locate books in over one hundred and fifty libraries of the Philadelphia region. The Haverford Library is also a member of THE PHILADELPHIA METROPOLITAN LIBRARY COUNCIL.

THE LIBRARY ASSOCIATES is an organization of graduates and friends of the College, devoted to increasing the usefulness of the Library. It serves to bring the facilities of the Library to a wider notice and to make them available to the whole Haverford community; to encourage the making of gifts to the Library; and to aid in the use of the Library for exhibition purposes. Enquiries should be addressed to The Library, Haverford College.



## SCIENTIFIC LABORATORIES

THE WILLIAM J. STRAWBRIDGE MEMORIAL OBSERVATORY is equipped with three equatorially mounted telescopes; a 10-inch and two 4½-inch refractors, and a 6-inch reflector; a reflecting telescope with 8-inch mirror and altazimuth mounting; a meridian circle telescope of 3¾-inch aperture; a zenith telescope of 2¼-inch aperture; a spectrohelioscope; an astrographic mounting provided with two 4-inch Ross lenses and a 4-inch guiding telescope; two sidereal clocks; a chronograph by Bond; and other instruments. The astronomical library is housed in the Observatory.

THE LYMAN BEECHER HALL CHEMISTRY LABORATORY is a three-story structure with working space in the various laboratories for about two hundred and fifty students. Separate laboratories are available for general chemistry and qualitative analysis, quantitative analysis, organic chemistry, qualitative organic analysis and organic synthesis, semimicro quantitative analysis, and physical chemistry, respectively. In addition, two rooms are devoted to the needs of research students. The building is furnished with water, gas, compressed air, and alternating current electricity, and is provided with an excellent system of forced draft ventilation. The apparatus equipment is ample for the undergraduate courses. Books and periodicals dealing with chemical subjects are housed in a comfortably furnished library on the first floor which is open to the students.

THE HILLES LABORATORY OF APPLIED SCIENCE houses the Engineering Department. This modern building contains classrooms, drawing rooms, a departmental library, mechanical, electrical, and electronics laboratories.

Exceptional facilities for observing the practical side of the work are offered by the many manufacturing companies in and near Philadelphia, and frequent inspection trips are made.

SHARPLESS HALL is occupied on the two lower floors by the Department of Physics. The laboratories include dark rooms, shops, and rooms for individual work. Through the gift of William P. Philips, '02, and through other acquisitions, the department is equipped for advanced work in electronics and x-rays.

The upper floors house the Biology and Psychology laboratories.



## NATURAL HISTORY COLLECTIONS

THE NATURAL HISTORY COLLECTIONS, presented to the College by a considerable number of interested friends, are displayed in Sharpless Hall through a gift of the Class of 1915.

### ARCHEOLOGICAL COLLECTION

THE BETH SHEMESH MUSEUM on the third floor of Sharpless Hall exhibits the archaeological finds made by the late Professor Elihu Grant during a series of five field excavations at the site of that name in Palestine. These materials reveal the life of a typical Near East community in the many aspects of its development and interplay with other peoples over a span of 2000 years. Thus, the collections provide a laboratory for study of the cultural cross-currents which met in Palestine during one of the great formative periods of civilization.

### ART COLLECTION

A permanent art collection, including paintings and drawings by Homer, Inness, Pintorricchio, Sargent, Turner, and Whistler, is displayed in the Library.

Temporary exhibitions of paintings, drawings, and photographs are held from time to time at the College.

Framed reproductions of outstanding paintings are available for loan to students at the beginning of each semester.

### MUSIC COLLECTION

In addition to a considerable collection of musical scores and books in the general Library, the special equipment of the Music Department consists of several pianos and a collection of scores, books, and phonograph records presented in 1933 by the Carnegie Corporation. This collection has been amplified by yearly accessions, and now numbers close to 1600 records. A large part of this collection is available to students at stated hours in a special listening room.

THE ALFRED PERCIVAL SMITH ROOMS in the Haverford Union are reserved for music study. There is a larger room with a Steinway Grand for the holding of classes and informal concerts organized by the Music

Department, and a small library in which valuable books, scores and records are kept.

The large concerts are held in Roberts Hall where a concert piano and a Hammond organ are at the disposal of artists.

## CAMPUS

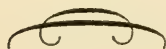
THE ARBORETUM AND THE WOOLMAN WALK, the latter the gift of Mr. Edward Woolman, '93, contains a wide variety of woody plants, both indigenous and exotic, thus permitting direct observation and study by students of the natural sciences.

THE MARY NEWLIN SMITH MEMORIAL GARDEN which adjoins the south side of the Library, while primarily developed as a decorative feature, contains a wealth of flowering shrubs of interest to the botanist.

## THE BUCKY FOUNDATION

The Bucky Foundation, which has as its goal the promotion of a spiritually grounded political and economic order, and the training of responsible students for such an order, maintains an office at the College.

Income from the Foundation has been used to sponsor a Constructive Citizenship program and the training of students through the Relief and Reconstruction Unit. It is being used to support Haverford participation in a program of week-end work camps.



## Fellowships, Prizes, and Honors

### FELLOWSHIPS

THE CLEMENTINE COPE FELLOWSHIP was established in 1899. The income is applied to "assisting worthy and promising graduates of Haverford College in continuing their studies at Haverford or at some other institute, in this country or abroad, approved by the Board of Managers. Candidates shall be nominated by the College Faculty to the Board of Managers."

Applications for the Clementine Cope Fellowship must be in the hands of the President of the College before March 1, accompanied by whatever statement of extracurricular activities the candidate considers relevant. The Faculty will nominate to the Board of Managers a First and Second Cope Fellow whose stipends, not exceeding \$700.00 each, will be determined by the Board.

GRADUATE FELLOWSHIPS.—For information regarding graduate fellowships, see page 47

### PRIZES

All material submitted in competition for prizes (except the Sugimoto prize) should be deposited with the Registrar, under assumed name, with a sealed envelope containing the writer's real name, before May 1.

All prizes awarded in books are marked with appropriate bookplates. As soon as possible after the award a list of standard books, from which selection is to be made, should be submitted for approval to the head of the department awarding the prize. Books selected from the approved list may then be ordered through the College Business Office. The College grants an average discount of ten per cent on prize books, and supplies the bookplates.

ALUMNI PRIZE FOR COMPOSITION AND ORATORY.—A prize of \$50 was established by the Alumni Association in 1875 to be awarded annually for excellence in composition and oratory. Competition is open to Freshmen and Sophomores, but the same man may not receive the prize twice.

**JOHN B. GARRETT PRIZES FOR SYSTEMATIC READING.**—A first prize of \$50 and a second prize of \$25 will be given at the end of the Junior or Senior year to the two students who, besides creditably pursuing their regular course of study, shall have carried on the most profitable program of reading in a comprehensive topic during at least two years of their college career.

The administration of these prizes is in the hands of the Committee on Fellowships and Prizes, with which the candidate shall register and which shall approve the subject chosen. The Committee will then recommend the candidate to the department or departments to which he should apply for counsel and guidance. A written or oral examination will be arranged in the final year to determine the scope and quality of the reading.

The winners will be determined by the Committee after consultation with the departments concerned. Either or both of these prizes may be omitted if, in the judgment of the Committee, the work does not justify an award.

**THE CLASS OF 1896 PRIZES IN LATIN AND MATHEMATICS.**—Two prizes of \$10 each, in books, to be known as "The Class of 1896 Prizes in Latin and Mathematics," were established by the bequest of Paul D. I. Maier of the Class of 1896. They are awarded at the end of the Sophomore year to the students who have done the best work for two years in the Departments concerned.

**THE LYMAN BEECHER HALL PRIZE IN CHEMISTRY.**—A prize of \$100 was established by the Class of 1898 on the twenty-fifth anniversary of its graduation in honor of Lyman Beecher Hall, Professor of Chemistry at Haverford College from 1880 to 1917.

This prize may be awarded to a student who has attained a high degree of proficiency in Chemistry and who shows promise of contributing substantially to the advancement of that science. It may be awarded to a Junior, to a Senior, or to a graduate of Haverford College within three years after graduation. It may be awarded more than once to the same student, or it may be withheld.

**THE CLASS OF 1902 PRIZE IN LATIN.**—A prize of \$10 in books is offered annually by the Class of 1902 to the Freshman whose work in Latin, in recitation and examinations combined, shall be the most satis-



factory. At the discretion of the professor in charge of the Department, this prize may be omitted in any year.

**THE DEPARTMENT PRIZES IN MATHEMATICS.**—A first prize of \$15 and a second prize of \$10 are awarded on the basis of a three hour examination on selected topics in Freshman Mathematics. The examination is held annually on the first Monday after the Spring Recess, and is open to Freshmen only.

**THE ELLISTON P. MORRIS PRIZE.**—A prize of \$40, open to all undergraduates and to graduates of not more than three years' standing, is offered annually for the best essay bearing on the general problem of "International Peace and the Means of Securing It."

**THE ELIZABETH P. SMITH PRIZE.**—A prize of \$40 is offered each year to the undergraduate who presents the best essay on international peace.

No prize will be awarded unless a high standard of merit is attained. Essays should be deposited with the Registrar before May 1. The judges shall be appointed by the President of the College.

For the 1948-49 competition the following subjects are offered:

1. The Bearing of Current Social Ideals on International Peace.
2. The Veto Problem in the United Nations and its Relation to International Peace.
3. UNESCO as a Factor in Promoting International Peace.
4. International Peace as a Problem in Securing Adequate Representation of Peoples in their Governments.
5. International Peace and the European Recovery Plan.

**PRIZES IN PHILOSOPHY AND BIBLICAL LITERATURE.**—A prize of \$40 and a second prize of \$25, in books, is offered annually to any student who, in the judgment of the professor in charge, does the most satisfactory outside reading in Philosophy in connection with the courses in that Department.



A prize of \$40 and a second prize of \$25, in books, is offered annually to any student who, in the judgment of the professor in charge, does the most satisfactory reading on the Bible and related subjects.

**THE SCHOLARSHIP IMPROVEMENT PRIZES.**—A first prize of \$50 and a second prize of \$45 are awarded at the end of the Senior year to the two students who, in the opinion of the judges appointed by the President of the College, show the most steady and marked improvement in scholarship during their college course.

**THE CLASS OF 1910 POETRY PRIZES.**—A first prize of \$15 and a second prize of \$10 are awarded for the best verse written by a Haverford undergraduate during the year. Typewritten manuscript, under an assumed name, should be deposited with the Registrar before May 1. The judges shall be appointed by the President of the College.

**THE FOUNDERS CLUB PRIZE.**—A prize of \$25 is offered and awarded annually by the Founders Club to the Freshman who is judged to have shown the best attitude toward college activities and scholastic work.

**THE S. P. LIPPINCOTT PRIZE IN HISTORY.**—A prize of \$100 is offered annually for competition in the Department of History under the following general provisions:

*First*—The prize may be withheld in any year, if the conditions listed below are not met by any of the competitors to the satisfaction of a majority of the judges.

*Second*—The prize shall not be awarded twice to the same student.

*Third*—Competition is open to Sophomores, Juniors, and Seniors who have taken or are taking work in the Department of History.

### *Conditions*

In competition for this prize an essay of not less than 5,000 words shall be submitted as evidence of scholarly ability in the collection and presentation of historical material, treating a subject selected from a list announced by the Department of History before November 15. The essay should contain references in footnotes to the authorities consulted and a bibliography of works cited.

The essay shall be typewritten and deposited, under an assumed name, with the Registrar before May 1.

For the 1948-49 competition the following subjects are offered:

1. The Relations between James I and Parliament, 1604-1624.

2. The Reforms of the Liberals in Great Britain, 1906-1914.

3. The Struggle over the Ratification of the United States Constitution of 1787.

4. Third-Party Movements in the United States, 1892-1948.

**THE NEWTON PRIZE IN ENGLISH LITERATURE.**—A prize of \$50 established by A. E. Newton may be awarded annually on the basis of Final Honors in English, provided that the work of the leading candidate, in the judgment of the English Department, merits this award.

**THE WILLIAM ELLIS SCULL PRIZE.**—A prize of \$50 established in 1929 by William Ellis Scull, '83, is awarded annually to the upperclassman who shall have shown "the greatest achievement in voice and in the articulation of the English language."

**THE GEORGE PEIRCE PRIZE IN CHEMISTRY OR MATHEMATICS.**—A prize of \$50 in memory of Dr. George Peirce, '03, is offered annually to a student of Chemistry or Mathematics "who has shown marked proficiency in either or both of these studies and who intends to follow a profession which calls for such preparation. Preference is to be given to a student who has elected organic chemistry, and failing such a student, to one who has elected Mathematics or some branch of Chemistry other than organic. Should there be two students of equal promise, the one who is proficient in Greek shall be given preference." The prize is offered, however, exclusively for students who have expressed the intention of engaging in research.

**THE SUGIMOTO PRIZE.**—A prize of \$100.00 is offered in 1948 by Christopher Morley, '10, in honor of the distinguished Japanese author, Mrs. Etsu Sugimoto. It is open to undergraduate or graduate students of Haverford College, and may be awarded for work in any creative form: literary, graphic, plastic, musical, etc., "dealing with Japanese-American relations, past, present or to come." Material must be deposited with the Registrar, under an assumed name, before Thursday, November 11, 1948. The award will be announced on Tuesday, December 7, 1948, on the seventh anniversary of Pearl Harbor, but at the discretion of the Committee on Fellowships and Prizes, it may be withheld in the absence of sufficiently meritorious competition.

## HONOR SOCIETIES

**PHI BETA KAPPA.**—The Haverford College Chapter of the Phi Beta Kappa Society of America was chartered in 1898 as Zeta of Pennsylvania. Election of members-in-course, alumni members, and Honorary members, based upon scholarly attainment and distinction, takes place at the end of the academic year. *President:* Gaylord P. Harnwell, '24; *Secretary:* Legh W. Reid, Hon. '04.

**FOUNDERS CLUB.**—The Founders Club was established in 1914 as a Haverford organization of students, alumni, and faculty. Election to its membership is recognition of a sound academic record combined with noteworthy participation in extra-curricular activities. Undergraduate elections are usually limited to the Junior and Senior classes. *President:* John A. Zapp, '32; *Secretary:* George E. Ruff, '49.

## HONORS

Honors are awarded for excellence in the studies of single departments. They are never given merely for performance of routine work in courses; a considerable amount of extra work is demanded in every case.

Honors are of three kinds: *Honorable Mention*, *Preliminary Honors*, and *Final Honors*.

*Honorable Mention*\* will be awarded at the end of the Freshman or Sophomore years for work in a single course meeting at least two hours per week throughout the year, and additional work to the total amount of not less than 75 hours. Candidates for *Honorable Mention* must obtain a minimum grade of 85 in the regular work of the course and creditably pass an examination on the additional work required. Two courses of one term each in the same department may be construed as a single course.

A Freshman who has received the prescribed grade in the regular work of a course required for *Honorable Mention*, but who has not done the additional work required in connection with that course, may do so, with the consent of the professor in charge, during the Sophomore year.

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\* *Honorable mention* is awarded in Freshman English in connection with the work of English 12.

*Preliminary Honors* will be awarded at the end of the Sophomore or Junior year for work in not less than four semester courses in a single department, and additional work to the total amount of not less than 150 hours. Candidates for Preliminary Honors must obtain a minimum average grade of 85 in the courses required for such honors (including a grade satisfactory to the Department in the courses taken in the Sophomore or Junior year), and must creditably pass examinations on the additional work required.

*Final Honors* are graded as Honors, High Honors, or Highest Honors. They will be awarded upon graduation only to students whose work in a Major field of concentration has been done with marked distinction and has been more profound or more extensive in its scope than the minimum required. The award of Honors is at the discretion of the Major Department, but the award of High or Highest Honors is to be made by vote of the Faculty upon recommendation of a department or group of related departments. In order to receive High or Highest Honors, the student will usually be given a public oral examination, and for Highest Honors the verdict of an outside examiner may be obtained if deemed desirable. The various departments and divisions will adopt such specifications for Final Honors as they see fit.

At the time of the award of Honors, one-half of one per cent for each award of Honorable Mention or Preliminary Honors shall be added to each recipient's general average for the year. Honors, High Honors, and Highest Honors shall automatically add one, two, and three per cent, respectively, to the average for the Senior year of each student receiving one of these awards.





# General Alumni Association of Haverford College

## *President*

THEODORE WHITTELSEY, JR., '28  
Haverford Gables, A-6, Haverford, Pa.

## *1st Vice-President*

OWEN B. RHOADS, '25  
Packard Bldg., Philadelphia 2, Pa.

## *2nd Vice-President*

JAMES M. HOUSTON, '31  
300 S. Lexington St., Pittsburgh 8, Pa.

## *3rd Vice-President*

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## *Executive Secretary*

BENNETT S. COOPER, '18  
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## *Treasurer*

WALTER C. BAKER, '32  
Girard Trust Co., Philadelphia 2, Pa.

## HAVERFORD CLUB OF PHILADELPHIA

### Meridian Club

Chancellor & Camac Sts., Philadelphia, Pa.

*President* ..... HARRIS G. HAVILAND, '26

Parkway and 17th St., Phila. 3, Pa.

*Vice-President* ..... T. BARCLAY WHITSON, '17

Moylan, Pa.

*Secretary* ..... ERNEST N. VOTAW, '15

c/o U. S. Dept. Labor, 1216 Widener Bldg., Phila. 7, Pa.

*Treasurer* ..... JOHN C. LOBER, '27

1500 Walnut St., Phila. 2, Pa.



### NEW YORK HAVERFORD SOCIETY

- President* .....DAVID C. BEVAN, '29  
New York Life Ins. Co., New York, N. Y.
- Vice-President* .....RICHARD S. BOWMAN, '38  
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- Treasurer*.....JOHN T. SHARKEY, '40  
2409 W. Lanvale St., Baltimore 16, Md.
- Ass't Secretary*.....L. PAUL BOLGIANO, JR., '44  
Cambridge Arms Apts., Baltimore 18, Md.

### PITTSBURGH ALUMNI ASSOCIATION OF HAVERFORD COLLEGE

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First National Bank Bldg., Pittsburgh 22, Pa.
- Secretary* .....WILLARD W. MEAD, '26  
5800 Walnut St., Pittsburgh 6, Pa.
- Treasurer* .....JAMES M. HOUSTON, '31  
1639 Beechwood Blvd., Pittsburgh 17, Pa.

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- President* ..... JOHN PHILLIPS, '10  
1317 House Office Bldg., Washington, D. C.
- Secretary-Treasurer* ..... HERBERT W. REISNER, '31  
214 Prince St., Alexandria, Va.

#### HAVERFORD SOCIETY OF CHICAGO

- President* ..... THOMAS FANSLER, '21  
20 N. Wacker Dr., Chicago 6, Ill.

#### HAVERFORD SOCIETY OF NEW ENGLAND

- President* ..... FRANK M. ESHLEMAN, '00  
40 Broad St., Rm. 600, Boston, Mass.
- Secretary-Treasurer* ..... ELLIOT W. BROWN, '21  
401 Summer St., Boston, Mass.

#### HAVERFORD SOCIETY OF WILMINGTON

- President* ..... CHARLES WARNER, JR., '23  
708 Blackshire Rd., Wilmington, Del.
- Secretary* ..... JOSEPH RHOADS, JR., '32  
1105 N. Franklin St., Wilmington, Del.

#### HAVERFORD SOCIETY OF LOS ANGELES

- President* ..... SPENCER R. STUART, '44  
Martin-Senour Co., 315 W. 9th St., Los Angeles, Cal.

#### HAVERFORD SOCIETY OF NORTHERN CALIFORNIA

- Secretary* ..... RICHARD WISTAR, '28  
Mills College, Oakland 13, Cal.

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# HAVERFORD COLLEGE BULLETIN



## DIRECTORY

VOLUME XLVII

NUMBER TWO

OCTOBER, 1948



# 1948

	S	M	T	W	T	F	S		S	M	T	W	T	F	S
Sept.				1	2	3	4	Nov.		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
	5	6	7	8	9	10	11		7	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>
	12	13	14	15	16	17	18		14	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
	19	20	21	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>		21	<b>22</b>	<b>23</b>	<b>24</b>	25	26	27
	26	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>				28	<b>29</b>	<b>30</b>				
Oct.						<b>1</b>	<b>2</b>	Dec.				<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
	3	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>		5	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
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	17	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>		19	20	21	22	23	24	25
	24	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>		26	27	28	29	30	31	
	31														

# 1949

	S	M	T	W	T	F	S		S	M	T	W	T	F	S
Jan.							1	April						1	2
	2	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>		3	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
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	16	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>		17	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>
	23	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>		24	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
	30	<b>31</b>													
Feb.			<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	May	1	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
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	13	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>		15	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>
	20	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>		22	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
	27	<b>28</b>							29	<b>30</b>	<b>31</b>				
March			<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	June				<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
	6	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>		5	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
	13	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>		12	13	14	15	16	17	18
	20	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>		19	20	21	22	23	24	25
	27	28	29	30	31				26	27	28	29	30		

College Days in heavy-faced type.

# Calendar

1948-49

Registration of all new students .....	Sept. 20-21
Beginning of College year with Assembly, 9 a.m.;	
registration of returning students .....	Sept. 22
First semester classes begin 8 a.m. ....	Sept. 23
First quarter ends .....	Nov. 13
Thanksgiving recess .....	Nov. 24 at 1
Major Registration Cards for men in the	p.m.-28
fourth term must be filed by .....	4 p.m. Dec. 8
Christmas recess (dates inclusive) .....	Dec. 19-Jan. 2
First semester classes in major subjects	
end for students taking comprehensives .....	Jan. 15
Senior comprehensive examinations	
(dates inclusive) .....	Jan. 19-22
First semester classes end .....	Jan. 20
All papers assigned must be turned in by 4 p.m.*	
Mid-year examinations (dates inclusive) ** .....	Jan. 24-Feb. 5
Second semester classes begin 8 a.m. ....	Feb. 7
Third quarter ends .....	Mar. 26
Spring recess .....	Mar 26 at 12
Major Registration Cards for men in the fourth term must	noon-April 3
be filed by, .....	4 p.m. Apr. 20
Applications for fellowships for the following year and	
manuscripts in competition for prizes must be filed by .....	4 p.m. May 1
Second semester classes in major subjects end for students taking	
comprehensives .....	May 18
Senior Comprehensive examinations (dates inclusive) .....	May 23-26
Second semester classes end .....	May 24
*All papers assigned must be turned in by 4 p.m.	
Final examinations (dates inclusive) ** .....	May 27-June 10
Commencement .....	June 11
<p>*Late papers will receive no credit unless arrangements have been made <i>in advance</i> with the instructor in the course and the Dean.</p> <p>**Laboratory notebooks must be turned in not later than the scheduled time of the examination in the course. Late notebooks will receive no credit unless arrangements have been made <i>in advance</i> with the instructor in the course and the Dean. In courses which have no scheduled examination, notebooks must be turned in by 4 o'clock on the fourth day preceding the end of the examination period.</p>	

**STUDENT ACTIVITIES**  
1948-49

October	1	Freshman Dance (Bryn Mawr)
	9	Football: Ursinus (home)
	20	Founders Club Freshman Reception
	20	Soccer: Stevens (home)
	23	Football: Hamilton (home). Homecoming Day.
	23	Sophomore Dance
	23	Faculty Women's Club Tea
November	30	Soccer: Lehigh (home)
	5	Soccer: Pennsylvania (home)
	11	Cap & Bells (Bryn Mawr)
	12	" " "
	13	" " "
	13	Football: Susquehanna (home)
	13	Soccer: Lafayette (home)
	13	Dance (Bryn Mawr)
	19	Soccer: Swarthmore (away)
	20	Football: Swarthmore (home)
	20	Varsity Club Dance
December	23	Athletic Collection
	1	Faculty At Home (Seniors)
	3	Dance (Bryn Mawr)
	9	Cap & Bells (home)
	10	" " "
	11	" " "
	12	Glee Club (Bryn Mawr)
	17	Christmas Party (home)
January	7	Glee Club Concert (home)
February	9	Basketball: Swarthmore (home)
	11	Dance (Bryn Mawr)
	18	Freshman Shows (Bryn Mawr)
	19	" "
	19	Athletic Class Day
	19	Dance (Bryn Mawr)
	25	Playwrites' Night (Bryn Mawr)
	26	" "
March	4	Class Night
	5	Junior Prom
	8	Athletic Collection
	9	Faculty At Home (Juniors)
	17	Cap & Bells (Bryn Mawr)
	18	" " "
	19	" " "
April	8	Dance (Bryn Mawr)
	15	Arts' Night (Bryn Mawr)
	16	" "
	16	Junior Prom (Bryn Mawr)
	20	Founders Club (Sub-Freshmen)
	21	Faculty At Home (Sophomores)
	29	Spring Concert - Glee Club (home)
May	30	Senior Prom
	5	Spring Play - Cap & Bells
	6	" " " " "
	6	Annual Meeting - Cap & Bells
	7	Spring Play - Cap & Bells
	7	Spring Day - Faculty Tea
	7	Track: Swarthmore (away)
	7	Baseball: Delaware (home)
	7	Tennis: Delaware (home)
	14	Annual Varsity Club Day - Dinner
	14	Baseball: Swarthmore (home)

THERE WILL BE NO ADDITIONS OR POSTPONEMENTS WITHOUT  
PRIOR ARRANGEMENTS WITH THE COMMITTEE

ACADEMIC YEAR 1948 - 1949

DIRECTORY

FACULTY AND STAFF

<u>Name</u>	<u>Residence</u> Haverford, unless otherwise noted	<u>Telephone</u> Ardmore, unless otherwise noted	<u>Office</u>
(B.M.=Bryn Mawr, H.C.=Haverford College)			
Allendoerfer, Carl B.**	750 Rugby Rd., B.M.	B.M. 2568-J	Founders, Center West
Archfield, Dorothy B.	36 Cricket Avenue Ardmore, Pa.	4728	Roberts, 1st floor
Asensio, Manuel J.	500 Oackley Road	4163	Language House
Asensio, Elisa	500 Oackley Road	4163	
Ashmead, John, Jr.	531 Panmure Road	5599-J	Whitall 14
Barrie, Alice J.	Waterloo Road Devon, Pa.	Wayne 1287	Roberts, 2nd floor
Beard, Mabel S.	Infirmary, H.C.	3036	Infirmary
Beatty, Ethel E.	Founders, H.C.	9460	Founders
Benfey, O. Theodor	6 College Lane	5522	Chem. Lab.
Benham, Thomas A.	3 College Lane	6044	Sharpless 14
Bernheimer, Richard M.	225 N. Roberts Rd., B.M.	B.M. 1427-W	B.M. College
Berry, Alice M.	Lincoln Highway Berwyn, Pa.	Berwyn 0225	Roberts, 2nd floor
Brown, Marvin L., Jr.	904 Asbury Terrace Phila. 26, Pa.	LI 8-1049	Whitall 10
Brownlee, F. Ruth	774 Millbrook Lane	7995-R	Roberts, 1st floor
Bruns, E. Martin	4 College Lane	2163-W	Library 43
Cadbury, William E., Jr.	791 College Avenue	0203-W	Chem. Lab.
Carbone, Francesco C.	4 College Lane	2163-W	Founders
Caselli, Aldo	1 College Circle	5562	Whitall
Chatto, Viola	2 A Griffin Lane	0693	Whitall
Clare, Evelyn	Paoli, Pa.		Library
Coble, Arthur B.	203 Llandover Rd., B.M.		Founders, Center West
Comfort, Howard	5 College Circle	3732	Sharpless 40
Comfort, William W.	South Walton Road	0455	
Cooper, Bennett S.	521 Panmure Road	3254-M	Founders East
Cross, Suzanne	Jenkintown, Pa.		Library
deGraaff, Frances	B.M. College	B.M. 9103	Library 50
Disbrow, Dorothy	780 College Avenue		Founders East
Docherty, Patricia	773 College Avenue	1274-W	Barclays-Bookstore
Docherty, William, Jr.	773 College Avenue	1274-W	Gymnasium
Drake, Thomas E.	702 Pennstone Rd., B.M.	B.M. 1534	Library
Dunn, Emmett R.	748 Ruby Rd., B.M.	B.M. 2753	Treasure Room
Evans, Arlington	653 E. Jamestown St., Phila., Pa.	Roxborough 8-3876-J	Sharpless 209 Gymnasium
Flight, John, W.	753 College Avenue	4409-W	Sharpless 303
Foss, Martin	1a College Lane	1599	Library 49
Graeser, Edna	35 No. 34th Street, Philadelphia, Pa.		Whitall
Gutwirth, Marcel M.	2 College Lane		Library 38
Goldberger, Else	Crum Creek Farm Goshen Rd., R.F.D. 1, Newtown Square, Pa.	Newtown Square 0342-W	Library
Gonoude, Anna May	Newtown Road Ithan, Pa.	Wayne 1449-W	Library

<u>Name</u>	<u>Residence</u> Haverford, unless otherwise noted	<u>Telephone</u> Ardmore, unless otherwise noted	<u>Office</u>
(B.M.=Bryn Mawr, H.C.=Haverford College).			
Green, Louis C.**	791 College Ave.	4409-J	Observatory
Haddleton, Alfred W.	20 Tenmore Rd.	B.M. 1235-W	Gymnasium
Haworth, Lester C.	2 College Lane	3537-J	Founders
Henry, Howard K.	1464 Drayton Lane Penn Wynne, Philadelphia 31, Pa.	3913-J	Sharpless 201
Herndon, John G.	1 College Lane	0364	Hilles, 2nd fl.
Hetzel, Theodore B.	768 College Ave.	4393-W	Hilles, 2nd fl.
Hewitt, Anna B.	245 S. 38th St. Phila. 4, Pa.	Evergreen 6-4946	Library Treasure Rm.
Hoag, Gilbert T.	Woodside Cottage	1402-W	Roberts, 1st floor
Holmes, Clayton W.	720 Millbrook Lane	4269-W	Hilles, 1st floor
Hunter, Holland	751 Millbrook Lane	6759	Library 42
Jones, Thomas O.	Founders Hall, H.C.	6908-J	Chem. Lab.
Kelly, John A.	3 College Lane	4160	Whitall 11
Lanza, Phyllis	759 Humphreys Rd. Ardmore, Pa.	5366-M	Founders
Lester, John A.	36 Railroad Ave.	3168	Chase 3
Lockwood, Dean P.**	6 College Circle	1402-J	Library
Lunt, William E.*	5 College Lane	1507-W	Whitall 10
Macintosh Archibald	3 College Circle	0961	Roberts, 2nd floor
Meldrum, William B.	747 College Ave.	0881-J	Chem. Lab.
Moore, Maris	Haverford & Overhill Rds. Ardmore	3228	Roberts, 1st floor
Nellen, Lillian	214 Meeting House Lane Merion, Pa.	Cynwyd 7911	Whitall
Newhall, Jocelyn J.	36 Tenmore Rd.	B.M. 2962	Library
Oakley, Cletus O.	Featherbed Lane	3109-W	Founders, Center East
Palmer, Frederic, Jr.	1 College Lane	6878	
Pepinsky, Abraham	7 College Lane	5324	Sharpless 108
Pfund, Harry W.	624 Overhill Rd., Ardmore, Pa.	5532	Whitall 8
Post, Amy L.	361 Lancaster Ave.,	1643-M	Library
Post, L. Arnold	9 College Lane	0258-M	Library 51
Ralph, Ester	Conestoga Rd., Berwyn, Pa.		Library
Randall, Roy E.	Coach House		Gymnasium
Rantz, J. Otto**	2122 Chestnut Ave. Ardmore, Pa.		
Reese, Ruth H.	205 Malboro Rd., Ardmore	4563-W	Library
Reese, William	440 College Avenue Lancaster, Pa.	Lancaster 2-5781	
Reid, Ira DeA.	2 College Lane	3537-R	Chase 3
Ricci, Rose	131 Poplar Avenue	Wayne 2642	Whitall
Rittenhouse, Leon H.	6 College Lane	5522	
Rossi, Antoinette	Lincoln Hy. Paoli	Paoli 2278	Whitall
Sargent, Ralph M.	4 College Circle	3339	Whitall 7
Sanford, Fillmore H.	4 College Avenue	2163-W	Sharpless 307
Schrecker, Paul	120 Chester Rd. Swarthmore, Pa.	Swarthmore 3624-R	
Schroeder, Seaton	418 St. Davids Road St. Davids, Pa.	Wayne 0224	Whitall
Snyder, Edward D.	36 Railroad Avenue	0712	Whitall 12



<u>Name</u>	<u>Residence</u> Haverford, unless otherwise noted	<u>Telephone</u> Ardmore, unless otherwise noted	<u>Office</u>
(B.M.=Bryn Mawr, H.C.=Haverford College)			
Sollmann, William	Pendle Hill Wallingford, Pa.	Media 4507	
Somers, Herman M.	521 Panmure Road	7090-M	Founders, Center West
Steer, Alfred G.	Madison Apts. Lansdowne, Pa.	8853-J	Library 44
Steere, Douglas V.	739 College Avenue	0162	Library 41
Stefan, Marie	4837 Cedar Avenue Phila. 43, Pa.	Granite 2-2845	Whitall
Street, James H.	1 College Lane	3537-W	Chase 7
Stulb, Florence B.	23 Wynnewood Park Apts. Wynnewood, Pa.	1763-W	Roberts, 1st floor
Sutton, Richard M.	785 College Ave. facing Walton Rd.	0742-W	Sharpless 104
Swan, Alfred	519 Walnut Lane Swarthmore, Pa.	Swarthmore 2847-W	Union
Taylor, Dr. Herbert W.	457 Lancaster Ave.	2383	Infirmery
Teaf, Howard M., Jr.	3 College Lane	4049-J	Whitall 9
Thomsen, Donald L., Jr.	605 Railroad Avenue	0143	Library 40
Tomber, Marvin L.	619 Walnut Lane	7358-R	Founders, Center West
Watson, Frank D.**	773 College Avenue	2937	
Wencelius, Marthe C.	825 Harvard Ave. Swarthmore, Pa.	Swarthmore 3173-R	
White, Gilbert F.	1 College Circle	4642	Roberts, 2nd floor
Wilson, Albert H.	765 College Avenue	1853	
Wilson, Norman M.	49 Rittenhouse Place, Ardmore	4036	Hilles, Lab. Fl.
Wilson, Raymond H., Sr.	437 Wellesley Road Phila. 19, Pa.	Wissahickon 7-6982	Observatory
Wonson, Gertrude M.	112 Mondela Ave., B.M.		Roberts, 2nd floor
Wylie, Lawrence W.	8 College Lane	7321	Library 43
Zaretsky, Lillian	527 S. 3rd Street Philadelphia, Pa.	Lombard 3-0458	Sharpless 108

\*Indicates absence during second semester.

\*\*Indicates absence during whole academic year.

## COLLEGE OFFICE AND BUILDING TELEPHONES

All telephones below may be reached by calling Ardmore 6400  
unless otherwise noted

Admissions Office: Archibald MacIntosh, Director of Admissions		
Gertrude M. Wonson, Assistant to the Director of Admissions		
Alumni Office: Bennett S. Cooper, Secretary		
Assistant to the President: Bennett S. Cooper		
Barclay Hall, North .....	(Pay Station) ...	9506
Barclay Hall, Center .....	(Pay Station) ...	9459
Barclay Hall, South .....	(Pay Station) ...	9508
Biology Laboratory (Sharpless Hall): E. R. Dunn, H. K. Henry		
Bookstore: Patricia Docherty, Manager		
Business Office: Aldo Caselli, Comptroller and Business Manager		
Lillian Nellen, Secretary to the Comptroller		
Antoinette Rossi (Accounts Payable)		
Marie Stefan (Accounts Receivable)		
Campaign: Lester Haworth		
Cashier's Office: Marie Stefan		
Chase Hall: Ira Reid, James Street		
Chemistry Laboratory: O. T. Benfey, W. E. Cadbury, Jr., T. O. Jones, W. P. Meldrum		
Dean's Office: Gilbert T. Hoag, Dean		
Maris Moore, Secretary to the Dean		
Dietitian: Ethel E. Beatty		
Engineering Laboratory (Hilles): J. C. Herndon, T. B. Hetzel,		
C. W. Holmes, N. Wilson		
Faculty Secretarial Office: Edna Graeser, Faculty Secretary		
Founders Hall, East .....	(Pay Station) ...	9460
Founders Hall, Dormitory .....	(Pay Station) ...	9533
Founders Hall, Offices: A. B. Coble, C. Oackley, H. Somers, M. Tomber		
French House: Laurence W. Wylie, Director .....	(Pay Station) ...	9613
Government House: Laurence W. Wylie, Director .....	(Pay Station) ...	9613
Gymnasium		
Gymnasium Office: W. Docherty, Jr., A. Evans, A. W. Haddleton, R. E. Randall		
Haverford News		
Haverford Union .....	(Pay Station) ...	9514
Hilles Laboratory of Applied Science (Engineering)		
Infirmary: Herbert W. Taylor, M.D., College Physician		
Mabel S. Beard, R.N.		
Kitchen .....	(Pay Station) ...	9544
Language House: Manuel J. Asensio, Director .....	(Pay Station) ...	9428
Library: Amy L. Post, Acting Librarian		
Circulation Desk		
Treasurer Room: Thomas E. Drake, Anna P. Hewitt		
Library Offices: R. Bruns, Frances de Graaff, M. Gutwirth, M. Foss, H. Hunter, L. A.		
Post, W. Sollmann, A. G. Steer, D. Steere, D. L. Thomsen, Jr., L. W.		
Wylie		
Lloyd Hall, 4th Entry (Smith) Rooms 1-16 .....	(Pay Station) ...	9520
Lloyd Hall, 8th Entry (Leeds) Rooms 17-38 .....	(Pay Station) ...	9628
Maintenance and Operation Office: Seaton Schroeder, Superintendent		
Viola Chatto, Secretary to the Superintendent		
Merion Annex .....	(Pay Station) ...	9561
Merion Hall .....	(Pay Station) ...	9458
Observatory: R. H. Wilson, Jr.		
Panmure Road - 521, Dormitory .....	(Pay Station) ...	9516
Physics Laboratory (Sharpless Hall): T. A. Benham, R. M. Sutton		
Placement Bureau: Bennett S. Cooper, Director		
Power House .....	(Pay Station) ...	9540
President: Gilbert F. White		
President's Office: Alice M. Berry, Secretary to the President		
Psychology Laboratory: (Sharpless Hall): A. Pepinsky, Lillian Zaretsky		
Publicity Director: Lester Haworth		
Radio Club: Station WHRC (Haverford Union) .....		
(Pay Station) ...		
9523		

Registrar's Office: Dorothy B. Archfield, Ruth Brownlee, Abe Pepinsky, Florence Stulb  
Sharpless Hall: T. A. Benham, H. Comfort, E. R. Dunn, J. W. Flight, H. K. Henry, A.  
Pepinsky, F. H. Sanford, R. M. Sutton, Lillian Zaretsky

Vice President: Archibald MacIntosh

Alice Barrie, Secretary to the Vice-President

Whitall Hall: J. Ashmead, Jr., S. F. Fox III, J. Kelly, W. E. Lunt, H. Pfund, R. M. Sargent,  
E. D. Snyder, H. Teaf, Jr.

#### COLLEGE TELEPHONE SERVICE

When there is an operator at the switchboard (9:00 a.m. to 5:00 p.m. Monday through Friday, 9:00 a.m. to 12:30 p.m. on Saturday, none Sunday) any of the offices listed below can be reached by calling Ardmore 6400.

When there is no operator on duty, use the following telephone number:

Ardmore 6400 Dean; Maintenance and Operation Office

Ardmore 6401 Library; Registrar

Ardmore 6402 Hilles Laboratory; Physics Laboratory

Ardmore 3036 Infirmary; Gymnasium

Ardmore 3761 President's Office

Ardmore 1942 Vice President; Director of Admissions

#### FACULTY OFFICE TELEPHONES

The offices of most of the members of the Faculty may be reached by calling Ardmore 6400 during the hours when there is an operator at the switchboard.



## STUDENTS IN THE COLLEGE

In the last column is given the number of the student's dormitory room:

Bc for Barclay Center	L.H. for Language House
Bn for Barclay North	L. for Lloyd Hall
Bs for Barclay South	M. A. for Merion Annex
F. for Founders Hall	M. for Merion Hall
G.H. for Government House	521 for Panmure Road

(NOTE: The number preceding 521, indicates the room occupied by the student.)

Name	Home Address	College Address
A		
ABBOTT, Henry David	Linwood, New York	6 Bs
ACTON, John Thomas	Buck Road, Bryn Athyn, Pa.	10 G.H.
ADAM, Albert C., Jr.	2924 Morris Road, Ardmore, Pa.	Day
ADIMORA, Samuel O. C.	Africa House, 459 West 140th St., N. Y., N. Y.	9 M
ALLAN, William Donald	115 North 8th Avenue, Coatesville, Pa.	24 Bs
ALLEN, Robert W.	Buck Lane, Haverford, Pa.	Day
AMBLER, William W., Jr.	124 W. Highland Ave., Philadelphia 18, Pa. Local Address: 833 Buck Lane, Haverford, Pa.	Day
AMUSSEN, Christopher R.	1509 Wynnewood Road, Ardmore, Pa. Telephone: Ardmore 0653-M	Day
AMUSSEN, Donald Sinclair	1004 Houston Ave., Takoma Park 12, Maryland	26 L
ATKINSON, Robert Wharton	11 Louella Court, Wayne, Pa.	Day
AUSTIN-SMALL, Peter Oswald Clifford	2 Grandview Circle, Pleasantville, N. Y.	27 L
AUTENREITH, Laurence H.	920 Wellesley Road, Pittsburgh 6, Pa.	6 Bs
AYUSAWA, Jun	2228 Okura Tsurukawa-Mura, Minami Tama Gun, Tokyo, Japan	Day
B		
BACON, Roger	3307 Clarendon Road, Cleveland 18, Ohio	30 F
BAER, Bruce Lawrence	741 Gimghoul Road, Chapel Hill, North Carolina	22 L



Name	Home Address	College Address
BAILEY, M. Omar	160 No. Main Street, W. Hartford 7, Connecticut	17 L
BAIR, William Langham	811 West Street, Homestead, Pa.	27 L
BAKER, Robert K.	355 Columbia Ave., Palmerton, Pa.	23 L
BAKER, William P., Jr.	355 Columbia Ave., Palmerton, Pa.	23 L
BALDI, Virgil B., Jr.	437 W. School Lane, Philadelphia 44, Pa.	21B F
BALDWIN, Gordon Brewster	Orchard Glen, R.F.D. #1, Rochester 10, N. Y.	21 Bs
BALTZELL, Richard	2001 Hillside Drive, Columbus 12, Ohio	56 Bn
BARKER, Harold Joseph Jr.	201 - 30th St., Brigantine, New Jersey	6 L
BARNES, Joseph A., Jr.	123 Coulter Ave., Ardmore, Pa.	Day
BARNES, Richard Kendrick	146 Maple Street, Englewood, New Jersey	3 Bs
BARRAT, Michel Jean	54 Avenue de Veully, Veully s/ Seine, Paris, France	6 G.H.
BARROWS, William M.	24 Willard Street, East Braintree 84, Massachusetts	24 Bs
BAUR, Philip J., Jr.	R. D. 1 - #14, North Wales, Pa.	3 Bs
BECKLEY, Addison Summers	277 S. Douglas Ave., Springfield, Ohio	10 G.H.
BEEKEN, Warren L.,	150 Beaver Street, Beaver, Pa.	44 Bc
BELL, John Ernest	Milton, New York	29 Bc
BELL, William Warren	4409 Greenwich Parkway, N. W., Washington 7, D. C.	37 L
BELLINGER, Edgar T.,	2710 So. Joyce Street, Arlington, Virginia	52 Bn
BENTLEY, Wray D., Jr.	Box 296, Chapel Hill, North Carolina	34 L
BERNSTEIN, Daniel S.	3700 Hilton Road, Baltimore 15, Maryland	37 L
BETSON, Robert Boyd	239 Crawford Ave., Lansdowne, Pa.	Day
BETSON, Wesley R.	239 Crawford Ave., Lansdowne, Pa.	Day
BIDDLE, Julian Cornell	Paoli Road, Newtown Square, Pa.	31 L
BILLO, Joseph Geoffroy	Popham Hall, Scarsdale, N. Y.	2 L
BIRDSALL, Charles B.	55 Park St., Haverhill, Mass.	60 Bn
BISHOP, William S.	345 Powell Rd., Springfield, Delaware Co., Pa.	111 M.A.

Name	Home Address	College Address
BLACKWELL, David J. . . . .	201 E. College Ave., Salisbury, Maryland	1 Bs
BLAKE, Frederick L. . . . .	202 W. Beech Tree Lane, Wayne, Pa.	17 M
BLASIUS, Leslie G. . . . .	529 Wyoming Ave., Millburn, N. J.	4 L
BLECKER, Sol . . . . .	5022 N. 10th Street, Philadelphia 41, Pa.	7 G.H.
BLEDSON, Carter D. . . . .	1505 Grace Church Rd., Silver Spring, Maryland	27 L
BLISS, Howard . . . . .	154 Church St., Middletown, Connecticut	4 Bs
BLUM, David M. . . . .	3603 Forest Park Ave., Baltimore 16, Maryland	38 L
BLUM, Kenneth R. . . . .	1185 Park Avenue, Apt. 15-A, New York 28, N. Y.	37 L
BOGER, John Neil . . . . .	341 Cumberland St., Lebanon, Pa.	10 L
BOGER, William Monroe . . . . .	341 Cumberland St., Lebanon, Pa.	30 Bc
BOISSEVAIN, Jeremy Fergus . . . . .	Huntingdon Valley, Pa.	30 Bc
BOTELER, William P. . . . .	4600 Sedgwick St., N. W., Washington 16, D. C.	25 L
BOTTJER, John H. . . . .	402 Ocean Avenue, Brooklyn 26, N. Y. Local Address: Pendle Hill, Wallingford, Pa.	Day
BOTTOM, Gordon B. . . . .	6987 Guilford Rd., Upper Darby, Pa.	Day
BOYD, Andrew Jr. . . . .	6840 No. Barnett Lane, Milwaukee, Wisconsin	44 Bc
BOYD, James C. . . . .	6840 No. Barnett Lane, Milwaukee 11, Wisconsin	52 Bn
BRAWNER, David M. . . . .	107 Highland Drive, Chevy Chase, Maryland	32 L
BRENES, Luis G. . . . .	36 N. Coulle 7a, San Jose, Costa Rica	1 L.H.
BREWER, Paul C., Jr. . . . .	335 Valley Rd., Havertown, Pa.	Day
BRICK, Allan Randall . . . . .	239 West Glen Ave., Ridgewood, N. J.	23 Bs
BRIOD, Andre Ernest . . . . .	78 Stony Lane, Short Hills, N. J.	31 Bc
BROADBELT, B. Donald . . . . .	164 W. Albemarle Ave., Lansdowne, Pa.	Day
BRODHEAD, Daniel . . . . .	107 Lexington Ave., Lansdowne, Pa.	10 F
BROOM, William T. . . . .	609 E. Phil-Ellena St., Philadelphia 19, Pa.	Day
BROWN, Edwin Louis . . . . .	20 Griffing Blvd., Asheville, North Carolina	23 Bs
BROWN, James D., Jr. . . . .	2902 Manoa Road, Honolulu 54, T. H.	9 L

Name	Home Address	College Address
BROWN, Joseph Clinton	R.F.D. 1, Clarksboro, New Jersey	62 Bn
BROWN, Robert DePue	478 Manheim Street, Philadelphia 44, Pa.	Day
BROWN, Robert E.	248 Henry St., Brooklyn, N. Y.	35 Bc
BROWNLEE, Harold Joseph Jr.	774 Millbrook Lane, Haverford, Pa.	Day
BROWNLEE, John Erskine	Quaker Oats Ltd., Southall, Middlesex, England	5 L
BUCKLEY, James C.	620 Shadeland Ave., Drexel Hill, Pa.	24 L
BULLOCK, John Robert	418 South 47th Street, Philadelphia 43, Pa.	Day
BUTLER, Robert George 3rd	3905 Morrison St., N.W., Washington 15, D. C.	59 Bn

### C

CADBURY, Warder H.	7 Buckingham Place, Cambridge 38, Massachusetts Local Address: 2 College Circle	Day
CADWALLADER, Gouverneur	Solebury, Bucks County, Pa.	38 L
CALVERT, John Elmer, Jr.	526 Wyanoke Ave., Baltimore 18, Maryland	59 Bn
CAMERON, Richard Morgan, Jr.	P. O. Box #166, Concord, Mass. Local Address: 515 Michigan Ave., Swarthmore, Pa.	Day
CANAN, James Franklin	1803 Third Avenue, Altoona, Pa.	8 L
CARLSON, Oscar W., Jr.	825 Wellington Rd., Baltimore 12, Maryland	54 Bn
CARMAN, John B.	% Mr. Robert B. Hull, R.F.D. Route #4, Ithaca, New York	39 Bc
CARRINGTON, George C., Jr.	1801 Calvert St., N. W., Apt. 31, Washington 9, D. C.	13 L
CARTIER, George T.	248 Conestoga Rd., Wayne, Pa.	Day
CATES, Paul	East Vassalboro, Maine	41 Bc
CHANDLER, Donald Jr.	3347 East Beltline, N.E., Grand Rapids, Michigan	53 Bn
CHANTILES, Nicholas G.	209 Ardmore Avenue, Ardmore, Pa.	Day
CHAPMAN, William, D.	301 Kent Road, Wynnewood, Pa.	Day
CHASE, Robert S., Jr.	336 Oak Road, Glenside, Pa.	71 Bn
CHEYETTE, Herbert B.	1419 East Genesee St., Syracuse, N. Y.	28 Bc
CLAYTON, Allen Bartholomew	49 East Providence Road, Lansdowne, Pa.	3 L
COLE, Don Hagler	1210 East 19 Street, Tulsa, Oklahoma	6 L
COLLIER, Reginald B.	35 Elm St., Webster, Mass.	46 Bc

Name	Home Address	College Address
COLLINS, Robert McVickar	Broadlea Farm, Rhinebeck, New York	26 Bc
COLMAN, George Dickson	159 Chapin St., Binghamton, N. Y.	51 Bn
COLMAN, Samuel, Jr.	159 Chapin St., Binghamton, N. Y.	54 Bn
CONANT, Richard K., Jr.	South Lincoln, Mass.	60 Bn
CONE, Sydney M. III	1607 Carlisle Rd., Greensboro, N. C.	31 Bc
CONKLIN, George Lewis	601 Merion Ave., Penfield, Havertown P.O., Pa.	Day
CONKLIN, William Thaddeus III	5410 Purlington Way, Baltimore 12, Maryland	18 L
COONEY, John J.	c/o Mr. H. Fairfax Leary, Radnor, Pa.	13 F
COOPER, Brooks B.	521 Panmure Road, Haverford, Pa.	Day
COOPER, Everett B.	115 East 5th Avenue, Conshohocken, Pa.	Day
CORNELL, Edward H. B.	Buck Lane, Haverford, Pa.	Day
COUCH, Richard A.	601 Clearview Avenue, Pittsburgh 5, Pa.	7 G.H.
CRAGIN, Harold I.	2 Morris St., Merchantville, N. J.	22 Bs
CRAIG, Donald Keith Jr.	144 Trent Rd., Overbrook Hills, Pa.	Day
CROLIUS, Allen Potter	Alden Park, Germantown, Philadelphia 44, Pa.	Day
CROWLEY, Jerome Francis, Jr.	5211 - 39th St., N.W., Washington 15, D. C.	34 Bc
CUMMINS, Peter West	Bon Air Drive, Sidney, Ohio	34 Bc
CURTIS, Nevius M.	Cold Hill, Granby, Mass.	62 Bn
CUTTING, Hunter O.	309 Sherman St., Rockford, Illinois	72 Bn

# D

DALLETT, Francis James, Jr.	Wayne P.O., Pennsylvania Telephone: Wayne 2392	Day
DARLINGTON, William Hare	126 Montrose Ave., Rosemont, Pa.	Day
DAUDON, Marc Daniel	Haverford, Pa.	17 L
DAVIES, D. Elwyn	4908 W St., N.W., Washington, D. C.	6 G.H.
DAVIS, John Gilman	76 Brooks St., W. Medford, Mass.	15 L
DAVISON, John Herbert	606 West 122 Street, New York City 27, N. Y.	60 Bn



Name	Home Address	College Address
DAYTON, Allan Shea, Jr. ....	852 Valley View Rd., Pittsburgh 16, Pa.	52 Bn
DEACON, Drew W. ....	40 W. Walnut Lane, Philadelphia 44, Pa.	9 F
DEATON, L. Crosby. ....	520 Old Orchard Road, Baltimore 29, Maryland	15 Bs
DEITZ, James Gilbert ....	135 Bompert Avenue, Webster Groves 19, Missouri	68 Bn
DELP, William Taylor ....	1520 Derstine Avenue, Lansdale, Pa.	Day
	Local Address: c/o Watson, 773 College Ave.	
DeMARCO, Michael Charles ....	7201 N. Broad Street, Philadelphia 26, Pa.	Day
DENNISON, Stanford C. ....	R.D. #2, Box 120, Jeannette, Pa.	55 Bn
DEUTSCH, Michael Herman. ....	1602 East 12th Street, Des Moines 16, Iowa	70 Bn
DEWEES, Allen ....	Sweetwater Farm, Glen Mills, Pa.	29 Bc
DEWEES, David Alan ....	41 Wellington Ave., Ross, Marin County, California	53 Bn
DiGIOVANNI, Carmen ....	26 Wyoming Ave., Ardmore, Pa.	Day
DISBROW, Donald W. ....	R. D. #3, Dundee, New York	Day
DOANE, John ....	316 Stanwood St., Philadelphia 11, Pa.	36 Bc
DODGE, John Lanphere, ....	Orangeburg, New York	20 L
DOLBEARE, Kenneth M. ....	295 Stewart Avenue, Garden City, N. Y.	3 L
DRAGSTEDT, Lester R. II ....	5200 Greenwood Ave., Chicago 15, Illinois	2 L
DRAKE, C. Daniel ....	47 Main St., Franklin, N. J.	12 L
DURLING, James A. ....	150 Main Street, Wadsworth, Ohio	4 L
DVORKEN, Henry J. ....	435 W. 5th Avenue, Roselle, N. J.	12 L
DYSON, John Colter ....	1426 Harlem Blvd., Rockford, Illinois	35 L

# E

EASTMAN, A. Theodore ....	2285 Washington St., San Francisco, California	51 Bn
EBERLY, Richard J. ....	608 Elm Terrace, Riverton, N. J.	3 L
ECHEGARAY, Miguel, Jr. ....	3110 Hawthorne St., N.W., Washington, D. C.	8 Bs
ECHKSON, Edward ....	31 Midland Boulevard, Maplewood, New Jersey	Day
	Local Address: c/o Mr. Frank P. Ufford, 605 Railroad Ave., Haverford, Pa.	



Name	Home Address	College Address
EDGERTON, C. Willis, Jr. ....	Haverford, Pa.	Day
EDGERTON, Philip .....	Haverford, Pa.	Day
EDGERTON, Robert .....	Haverford, Pa.	1 L
EDMISTON, Robert B. ....	200 High Street, State College, Pa.	14 M
EDMONDS, Thomas H. ....	16 Grove Street, Mount Kisco, New York	61 Bn
ELKINGTON, Peter W. ....	704 Locust Ave., Philadelphia 44, Pa.	Day
ELLER, Richard Warren .....	21 Greeley Avenue, Sayville, New York	26 Bc
ELLIOT, William Austin .....	479 Beacon Street, Manchester, N. H.	12 Bs
ELLIOTT, Ralph M. ....	19 Grace Court, Brooklyn 2, N. Y.	11 L
ENSIGN, Winter G. ....	2006 Queen Ave. South, Minneapolis 5, Minn.	55 Bn
EWALD, Henry .....	2100 - 19th Street, N. W., Washington 9, D. C.	66 Bn
EXTON, Fred, Jr. ....	9 Square Alboni, Paris XVI, France	4 G.H.

## F

FALTERMAYER, Edmund Kase .....	46 E. Gowen Ave., Mt. Airy, Philadelphia 19, Pa.	4 G.H.
FEESER, Paul Thomas .....	P.O. Box 82, Schuylkill Haven, Pa.	13 Bs
FEROE, Richard A. ....	2930 Oakford Rd., Ardmore, Pa.	Day
FIFE, John Dustin .....	Colonial House, Hoboken, N. J.	33 Bc
FLAHERTY, Joseph P. ....	286 Trent Rd., Penn Wynne, Pa.	Day
FLANDERS, Philip James .....	773 E. Shawmont Ave., Philadelphia 28, Pa.	Day
FLEMING, Thomas T. ....	Valley Green Rd., Flourtown, Pa.	19 L
FLETCHER, Richard M. ....	342 "O" Street N.W., Washington, D. C.	35 L
FLINT, Pete Boone .....	22 Washington Avenue, Morristown, New Jersey	2 L
FOLEY, Robert Tappan .....	Seminole Hotel, Winter Park, Florida	19 Bs
FORD, Floyd Filmore, Jr. ....	Walton Rd., R. D. #4, Norristown, Pa.	Day
FOSTER, James H. ....	88 Blake Rd., New Haven, Conn.	51 Bn
FOX, S. Tucker III .....	164 Penna Ave., Bryn Mawr, Pa.	Day

Name	Home Address	College Address
FRANKE, Robert	2905 Guilford Ave., Baltimore 18, Maryland	59 Bn
FREEMAN, Robert Whiting	19 Cherry Lane, Caldwell, N. J.	7 Bs
FRENCH, James C.	206 Washington Ave., Haddonfield, N. J.	40 Bc
FREUND, Gerald	91 Payson Ave., New York 34, N. Y. Local Address: c/o Mr. & Mrs. A. Dean, 2 Buck Lane, Haverford, Pa.	Day

### G

GAGER, Forrest L., Jr.	719 E. Willow Grove Ave., Chestnut Hill, Philadelphia 18, Pa.	Day
GAILEY, Joseph A.	401-A Roosevelt Ave., York, Pa.	19 Bs
GARBATY, Thomas J.	20 Murray Hill Rd., Scarsdale, N. Y.	15 Bs
GARDINER, J. Brooke	614 Pembroke Rd., Bryn Mawr, Pa.	Day
GARDNER, Jess	411 Lexington Ave., Aspinwall, Pittsburgh 15, Pa.	38 L
GARRISON, Harry Ellwood, Jr.	729 Levick Street, Philadelphia 11, Pa.	14 F
GATELY, Edward J., Jr.	476 Fair St., Providence 5, Rhode Island	7 L
GECKELER, Edwin Oscar, Jr.	1312 Medford Road, Wynnewood, Pa.	2 L.H.
GEOFFROY, Charles H.	509 Wilde Ave., Drexel Hill, Pa.	19 L
GETMAN, Burrill M., Jr.	251 Crestwood Rd., Cowesett, Rhode Island	12 Bs
GILBERT, Charles E.	3 Glendale Ave., Delmar, N. Y.	61 Bn
GILL, Harry W., Jr.	414 Penn Rd., Wynnewood, Pa.	Day
GILMOUR, Richard M.	249 Green Ave., Lansdowne, Pa.	33 Bc
GILPIN, Vincent Jr.	"Apple Hill," West Chester, Pa.	45 Bc
GLOVER, Thomas Reeves	53 Kings Highway West, Haddonfield, N. J.	40 Bc
GOODMAN, Robert	3749 Nortonia Road, Baltimore 16, Maryland	18 L
GORHAM, William Kane III	3346 Tilden St., Philadelphia 29, Pa.	34 L
GOULD, Peter	118 East 57th Street, New York 22, N. Y.	20 Bs
GOULD, Stanley B.	3505 Edgewood Rd., Baltimore, 15, Maryland	12 L
GRAFF, Thomas D.	Paoli, Pa.	116 M.A.

Name	Home Address	College Address
GRAHAM, Roland B., Jr. ....	7802 Lincoln Drive, Philadelphia 18, Pa.	Day
GRAHAME, Edward L. ....	821 Parmley Ave., Apt. 118, Yeadon, Pa.	Day
GRANT, Edgerton ....	R.F.D. #1, Scotch Plains, N. J.	66 Bn
GRAY, William S., Jr. ....	2140 Chestnut Ave., Ardmore, Pa.	Day
GREENE, Charles M. ....	230 Chemung Street, Corning, New York	8 Bs
GREENE, Joseph Henry, Jr. ....	522 Rock Glen Drive, Wynnewood, Pa.	Day
GREENWALD, Stanley Morton ....	2847 North 22nd Street, Philadelphia 32, Pa.	21 F
GREENWOOD, Richard J. ....	1216 Stirling Street, Coatesville, Pa.	25 Bc
GRIFFITH, Charles D. ....	South Ave. Ext., Bradford, Pa.	10-521
GRISTE, Richard de H. ....	6111 Lebanon Ave., Philadelphia 31, Pa.	Day
GROSHOLZ, James Richard. ....	520 West Lancaster Ave., Wayne, Pa.	Day
GUSHEE, Lawrence A. ....	3453 W. Penn St., Philadelphia 29, Pa.	70 Bn
GUTTMACHER, Jonathan A. ....	2704 Queen Anne Road, Baltimore 16, Maryland	71 Bn

## H

HAFF, Peter Wilson. ....	44 Elm Rock Road, Bronxville 8, New York	14 L
HALL, Robert Tucker. ....	4425 West 6th St., Topeka, Kansas	53 Bn
HALPERN, Eli B., ....	336 S. Smedley Street, Philadelphia 3, Pa.	Day
HAMMOND, Robert A., Jr. ....	1264 Lincoln Rd., Columbus, Ohio	25 Bc
HAMMOND, Stanley G. ....	104 E. Park Rd., Havertown, Pa.	Day
HAND, T. Spencer ....	1 Holmecrest Rd., Jenkintown, Pa.	27 L
HANSEN, Willard B. ....	12 East 87th Street c/o Felix Jacobi, New York 28, N. Y.	13 M
HARDEN, David S. ....	341 East Main Street, Moorestown, N. J.	30 L
HARDEN, Robert S. ....	341 East Main Street, Moorestown, N. J.	30 L
HARDY, Daniel W. ....	40 East 54th Street, New York 22, N. Y.	58 Bn
HARING, Lee ....	152 W. 54th St., New York 19, N. Y.	32 Bc
HARPER, Lee R. ....	190 Crowell Ave., Staten Island 14, N. Y.	2 L

Name	Home Address	College Address
HARPER, Robert	190 Crowell Ave., Staten Island 14, New York	24 L
HARRIS, Donald B.	5501 Moorland Lane, Bethesda 14, Maryland	26 L
HARRIS, William Heasley	1316 Alexander Ave., Chambersburg, Pa.	58 Bn
HARTMAN, Robert Hill	216 State Street, Harrisburg, Pa.	66 Bn
HARVEY, W. F. Atlee	112 Chamounix Rd., St. Davids, Pa.	5 Bs
HASTINGS, David S.	Tumbling Brook Farm, R.F.D. Mansfield Center, Connecticut	10 L
HASTINGS, James Babbitt	30 Elston Road, Upper Montclair, New Jersey	1 L
HAVILAND, Peter Robbins	28 Pennock Terrace, Lansdowne, Pa.	20 Bs
HAZELWOOD, Robert Nichols	3405 N. Hackett Avenue, Milwaukee, 11, Wisconsin	29 L
HEALEY, Robert J.	Bryn Mawr Gables, Bryn Mawr, Pa.	Day
HEBERTON, Craig	Haverford Gables, Haverford, Pa.	Day
HENKELS, John B. III	446 Church Lane, Philadelphia, Pa.	23 L
HENNE, Earl J.	923 W. Erie Avenue, Philadelphia 40, Pa. Local Address: 601 Walnut Lane, Haverford, Pa.	Day
HERMAN, David O.	5510 Roland Ave., Baltimore 10, Maryland	28 Bc
HERZEL, Frank Benton Jr.	Schellsburg, Pa.	10 M
HETZEL, Frederic V.	768 College Ave., Haverford, Pa.	Day
HIBBERD, Edward N., Jr.	1201 Montgomery Ave., Rosemont, Pa.	Day
HICKMAN, Hoyt Leon	829 Osage Road, Pittsburgh 16, Pa.	28 L
HIGINBOTHOM, William C.	5403 Springlake Way, Baltimore 12, Maryland	6 F
HIRES, Peter von Zanthier	Malvern, R. D. 1, Pa.	Day
HIRES, William L.	Box 44, Ardmore, Pa.	Day
HOBART, John Hampden	311 Chester Ave., Moorestown, N. J.	13 L
HOEHLER, Harry Heyden	Pugh Rd., Strafford, Pa.	Day
HOFFMAN, Daniel N.	420 Riverside Drive, New York 25, N. Y. Local Address: Pendle Hill, Wallingford, Pa.	Day
HOFFMANN, George L., Jr.	301 S. Linden Ave., Pittsburgh 8, Pa.	112 M.A.



Name	Home Address	College Address
HOLCOMBE, John Lyndon	239 Mill Rd., Havertown, Pa.	Day
HOLMES, Robert W.	720 Millbrook Lane, Haverford, Pa.	Day
HOOPES, Charles Dallett	5500 Moorland Lane, Bethesda 14, Maryland	42 Bc
HOOVER, Dwight Wesley	Oskaloosa, R. R. 4, Iowa Local Address: Pendle Hill, Wallingford, Pa.	Day
HOPKINS, Frank Thomas	316 Thornhill Rd., Baltimore 12, Maryland	17 L
HOPKINS, John Marsh	Queenstown, Maryland	107 M.A.
HOSKINS, Robert Graham	86 Varick Rd., Waban 68, Massachusetts	16 L
HOUGH, Wm. J. H., Jr.	60 Butler Ave., Ambler, Pa.	24 L
HUDSON, James Wallace	1401 Lincoln St., Evanston, Illinois	7 M
HUDSON, Samuel Walter Grafflin	150 So. Broadway, White Plains, New York	33 L
HUFFMAN, Richard M.	117 Shadow Road, Chevy Chase 15, Maryland	26 L
HUGO, Victor	1025 Cornell Avenue, Drexel Hill, Pa.	9 G.H.
HUME, Harry Alan	550 Beverly Blvd., Upper Darby, Pa.	49 Bc
HUME, John Mitchell	550 Beverly Road, Upper Darby, Pa.	47 Bc
HUTCHINSON, Ernest C.	101 Grandview Rd., Ardmore, Pa.	Day

# I

IHRIG, Judson L.	2611 East Beverly Road, Milwaukee, Wisc.	5 L
IMHOF, Lawrence George	678 Richmond Road, Staten Island 4, New York	2 L
IVES, Robert Trull	540 E. St. Davids Ave., St. Davids, Pa.	Day

# J

JACKSON, John A.	20 Summer St., Adams St., Adams, Mass	8 M
JAMES, Donald Wiles, Jr.	43 Fairview Avenue, Port Washington, New York	4 M
JAMESON, Thomas Edward	505 North Lake St., Carlsbad, New Mexico	110 M.A.
JAMISON, Edgar Merritt, Jr.	11 Canterbury Court, Toledo 6, Ohio	35 L
JARDINE, William, II	110 Summit Avenue, Upper Darby, Pa.	Day



Name	Home Address	College Address
JENNEY, Peter Borie	625 Haydock Lane, Haverford, Pa.	Day
JOHNSON, A. Clark, Jr.	Ridgecrest Farm, Coatesville, Pa.	58 Bn
JOHNSON, Victor L.	1007 Valley Rd., Philadelphia 26, Pa.	15 L
JOHNSTON, Jon Jolyon	3219 Ozark, Little Rock, Arkansas	31 L
JOHNSTON, Robert Atkinson	25th Street, Brigantine, N. J.	11 Bs
JOHNSTON, Robert James, Jr.	510 W. Montgomery Ave., Haverford, Pa.	Day
JONES, A. Wilson	616 Regester Ave., Baltimore 12, Maryland	37 Bc
JONES, Edgar Arnold Newton	Hector's River P.O., Jamaica, B.W.I.	105 M.A.
JONES, Evan Gordon N.	Hector's River P.O., Jamaica, B.W.I.	3 L.H.
JONES, Roger Franklin	2617 St. Davids Lane, Ardmore, Pa.	Day
JOWERS, Victor Thomas Arthur	17 Sudbury Pk. Msns., Wembley, Middex, London, England	21 L
K		
KAHN, Stephen Joseph	376 Bleecker St., New York 14, N. Y.	33 L
KATZ, John Zadoch	2609 Talbot Road, Baltimore 16, Maryland	37 Bc
KEETZ, Edward J.	Hilldale Road, Villanova, Pa.	Day
KEETZ, Francis A.	Hilldale Road, Villanova, Pa.	Day
KELLY, Paul S.	118 W. 36th St., Erie, Pa.	10 L
KEMMERER, John LeRoy	Residence Park, Palmerton, Pa.	22 Bs
KENNEDY, Frank R., Jr.	810 High Street, Paris, Kentucky	Day
	Local Address: c/o Mr. J. H. Neher, 600 Sussex Rd., Wynnewood, Pa.	
KILLIAN, John R., Jr.	40 W. Wyomissing Ave., Mohnton, Pa.	11 Bs
KIMMICH, Ferdinand Scott	20 Tenmore Rd., Haverford, Pa.	Day
KIMMICH, Homer M.	20 Tenmore Rd., Haverford, Pa.	Day
KING, Milton P.	2509 N. 31st St., Philadelphia 32, Pa.	Day
KIRK, Donald Graves	200 South St., Morristown, N. J.	36 L
KIRK, Richard A.	200 South St., Morristown, N. J.	36 L
KIRK, Robert L.	1734 F St., N.W., Washington 6, D. C.	11 F

Name	Home Address	College Address
KLEIN, Gilbert Wood	Mt. Pleasant Avenue, Villanova, Pa.	Day
KNOWLTON, Andrew Mutch	126 Sharon Ave., Sharon Hill, Pa.	Day
KRATZ, Wayne T.	Stanton Road, Wildwood Crest, New Jersey	12 M
KUNKEL, Robert B.	138 - 23 250th St., Rosedale 10, L.I., N. Y.	38 Bc

L

LAITY, Richard W.	105 Elliott Place, East Orange, N. J.	18 F
LAMBERT, Richard M.	104 Webster Ave., Wyncote, Pa.	15 F
LAMPHERE, George E.	3000 - 39th St., N.W., Washington 16, D. C.	36 L
LANDE, Peter Wolfgang	Cherry Lawn, Darien, Connecticut	69 Bn
LANGSTON, Thomas D.	621 Malvern Rd., Ardmore, Pa.	19 L
LASDAY, H. Robert	1322 Squirrel Hill Ave., Pittsburgh, 17, Pa.	8 L
LASH, William Stanley Mallory	Box 2255, R.R. #4, Victoria, B.C., Canada	22 F
LEA, Sperry	350 Lakeville Road, Lake Success, New York	9 G.H.
LEIB, Gilbert M. P.	136 Dwight St., New Haven 11, Connecticut	28 L
LEONARD, Lawrence Marvin	24 Moss Hill Rd., Jamaica Plains 30, Boston, Mass. Local Address: 627 Walnut Lane, Haverford, Pa.	Day
LEWIS, Theodore L.	16 Hempstead Ave., Hempstead, New York	20 F
LIBBY, Edward Kelway	1324 Euclid St., N.W., Washington, D. C.	4 G.H.
LIGHTFOOT, Clark Thompson	Richboro, Pennsylvania Local Address: c/o Mrs. William H. Collins, 757 College Ave., Haverford, Pa.	Day
LIMBER, Wayne S.	161 State St., Montpelier, Vermont	11 L
LIND, Frederick John, Jr.	625 Pitcairn Place, Pittsburgh 6, Pa.	31 L
LINTHICUM, William A., Jr.	Rockville, Maryland	13 L
LOEB, Eric	1 West 85th Street, New York 24, N. Y.	33 L
LOEBELENZ, Donald Eugene	511 Cowell Avenue, Oil City, Pa.	4 M
LOECHEL, Lloyd O., Jr.	543 Chestnut Street, Columbia, Pa.	7 M
LONGACRE, Jacob A.	115 North Reading Avenue, Boyertown, Pa.	4 L

Name	Home Address	College Address
LORENTZEN, Richard Peter	Meeker, Colorado	Day
	Local Address: c/o Dr. Richard Sutton, 785 College Ave., Haverford, Pa.	
LOUCKS, Walter Bott	McClellan Heights, R.D. #6, York, Pa.	9 L
LUCAS, Robert M.	R.D. #1, Main St., Cedarville, New Jersey	36 Bc
LUCINE, Andrew D.	Centennial Road, Penn Valley P.O., Philadelphia 27, Pa.	Day
LUSH, Stanley G.	10 West Street, Galetton, Pa.	11 M
LYNCH, Harold V., Jr.	7203 Cresheim Road, Philadelphia 19, Pa.	39 Pc
M		
MACBETH, C. Edward	Berwyn and Aiken Aves., Berwyn, Pa.	Day
MacINTOSH, W. Bruce, Jr.	1444 W. 28th Street, Miami Beach, Florida	6 F
MACTYE, David Craig	5040 Lakeview Drive, Miami Beach 40, Florida	45 Bc
MALEY, Eugene Pat	1414 Regina St., Harrisburg, Pa.	3 F
MANWILLER, Karl S., Jr.	654 Arbor Rd., Yeadon, Pa.	50 Bn
MARONEY, Philip M.	437 Berkley Road, Haverford, Pa.	49 Bc
MARTIN, Donald B.	2948 Oakford Road, Ardmore, Pa.	Day
MARTIN, Frank B., Jr.	822 - 15th Ave., Prospect Park, Pa.	Day
MARVIN, John H. W.	7032 S. Cregier, Chicago 49, Illinois	19 F
MASON, Samuel III	Darlington, Maryland	Day
	Local Address: c/o Mr. B. Van Arkel, 960 Glenbrook Rd., Bryn Mawr, Pa.	
MATEER, G. Diehl, Jr.	2932 Rising Sun Road, Ardmore, Pa.	Day
MATHIAS, Edward Trail	Court Square, Frederick, Maryland	15 L
MATHIS, James L.	Wyalusing, Pennsylvania	13 L
MATLACK, William Fawley	3400 W. School Lane, Philadelphia 44, Pa.	30 L
MAYER, David Paul	Apple Creek, Ohio	10 M
MAYER, Goetz	111 Allison Road, Willow Grove, Pa.	Day
	Telephone: Willow Grove 1547-M	
McCARGAR, Donald E.	32 So. Valley Rd., Paoli, Pa.	Day
McCARN, Davis B.	1011 - 13th St., Wilmette, Illinois	33 L

Name	Home Address	College Address
McDERMOTT, Leo Dennis	510 W. Montgomery Ave., Haverford, Pa.	Day
McKENZIE, Alfred Bailey	716 Paru Street, Alameda, California	108 M.A.
McKINLEY, Richard S. III	12 Arnold Ave., Northampton, Mass.	114 M.A.
McNUTT, Thomas Raymond	226 Fairlamb Ave., Havertown, Pa.	Day
MEAD, Brian Jr.	11 Horseguard Lane, Scarsdale, New York	34 L
MEAD, George N. J.	1825 Wynnewood Rd., Philadelphia 31, Pa.	Day
MEAD, Richard Key	11 Horseguard Lane, Scarsdale, New York	106 M.A.
MELCHER, William Diehl Lober	Malvern, R. D. #1, Pa.	Day
MELCHER, William Palmer	26 Linwood Drive, West Hartford 7, Connecticut	11 M
MELCHIOR, Charles M.	240 W. Montgomery Ave., Haverford, Pa.	7 G.H.
MELDRUM, Donald N.	747 College Ave., Haverford, Pa.	Day
MELICK, Richard Patton	The Washington, Wells Beach, Maine	22 Bs
METCALFE, Richard John	397 May St., Worcester, Mass.	9 Bs
MILLER, Frederick S., Jr.	83 - 09 Talbot Street, Kew Gardens, New York	21 L
MILLER, Harold Augustus Schaeffer	7502 Colonial Road, Brooklyn, New York	69 Bn
MILLER, James Quinter	10 Manor Drive, Tuckahoe 7, New York	11 L
MILLER, Stephen Raben	1501 Undercliff Avenue, New York 53, N. Y.	8 L
MILLER, William B.	349 Ridgewood Ave., Glen Ridge, N. J.	25 L
MILLER, William H.	7703 Crossland Rd., Baltimore 8, Maryland	35 Bc
MILLIGAN, Barton	842 Cedar Terrace, Westfield, N. J.	14 L
MILNER, Paul C.	140 Cole Court, Peoria 5, Illinois	16 M
MILYKO, Alexander Busch	Washington Avenue, Bayville, Long Island, New York	10-521
MOHN, William H.	Valmont Farms, Robesonia, Pa. Local Address: 730 Fourteenth Ave., Prospect Park, Pa.	Day
MONTGOMERY, Andrew Thompson	3288 North Lake Drive, Milwaukee, Wisconsin	101 M.A.
MONTGOMERY, DeWitt H., Jr.	1616 So. Park, Springfield, Illinois	25 L
MOORE, Charles B.	20 Winston Drive, Bethesda, Maryland	3rd fl. M.A.



Name	Home Address	College Address
MORAN, Robert E. ....	Box 75, R.F.D. #3, Bethesda, Maryland	17 F
MORITZ, John Alan ....	131 Dunster Rd., Boston 30, Mass.	9 L
MORLEY, Anthony Jefferson ....	1 Wetherill Road, Washington 16, D. C.	8 L
MORRELL, Roger M. ....	330 N. Bowman Avenue, Merion, Pa.	8 M
MORRIS, Robert L. ....	90 Oakwood Avenue, Long Branch, New Jersey	64 Bn
MORRIS, Thomas Edward Jr. ....	Old Lincoln Highway, Langhorne, R.D. 1, Pa.	103 M.A.
MOSER, Kenneth M. ....	2923 North Charles St., Baltimore, Maryland	14 L
MOSES, Paul Bell ....	358 W. Spring Avenue, Ardmore, Pa.	8 G.H.
MURDOCH, Guy Charles ....	144 West Penn St., Philadelphia 44, Pa.	Day
MUSSER, Frederic Omar, Jr. ....	217 Spring Garden St., Easton, Pa.	9 L
MYERS, Richard Norman ....	118 Coulter Ave., Ardmore, Pa.	Day

# N

NASON, Harry ....	32 Dartmouth Rd., Cynwyd, Pa.	Day
NELSON, Kenneth Roy, Jr. ....	U. S. Marine Hospital, Brighton 35, Boston, Mass.	6 M
NEUHAUS, Roland C. ....	66 West Eagle Rd., Havertown, Pa.	Day
NEWBOLD, Richard Warren ....	140 Madison Ave., Mt. Holly, New Jersey	69 Bn
NEWTON, Robert Scott ....	Emlenton, Pa.	11 M
NICHOLSON, John ....	447 N. Church St., West Chester, Pa.	Day
	Local Address: Pendle Hill, Wallingford, Pa.	
NOFER, George Hancock II ....	632 W. Elkins Ave., Philadelphia 20, Pa.	14 M
NORRIS, Richard A., Jr. ....	3308 Legation St., N.W., Washington, D.C.	8 Bs
NORTON, Nicholas ....	North Westchester, Connecticut	6 M
NYI, Steven Hsienwen ....	47 Wan Ping Lu, Shanghai 18, China	8 F

# O

OBEREMBT, Richard J. ....	2306 E. Kensington Blvd., Milwaukee 11, Wisconsin	29 L
O'NEILL, Howard T. ....	Huntingdon Valley, Pa.	15 Bs
OPPENHEIM, Daniel Payne ....	3029 "O" Street, N.W., Washington 7, D. C.	32 Bs



Name	Home Address	College Address
OSLER, Frederic Bruce, Jr. ....	55 E. 10th Street, New York City	16 M
OUELLETTE, Armand R. ....	29 Elmhurst Ave., Highland Park 3, Michigan	61 Bn
P		
PACKARD, Merlin W. ....	39 Gilbert Street, North Brookfield, Massachusetts	35 L
PAPOULIS, Basile ....	Redestou 42 Nea Smyrni, Athens, Greece	12-521
PARKE, Robert Jr. ....	50 Lancaster Ave., Buffalo 9, New York	4 L.H.
PARKER, John Hunter ....	Columbia Pike, R.F.D. #1, Ellicott City, Maryland	109 M.A.
PARKES, Robert I., Jr. ....	87 Ivy Way, Port Washington, New York	17 Bs
PARRAN, Richard Bentley ....	Hotel Congressional, Washington 3, D. C.	.6 & 7 L.H.
PATTERSON, Edward Bell, Jr. ....	34 Lenape Rd., Colwick, Merchantville, New Jersey	6 L
PAULSON, John Frederick ....	64 Petteys Ave., Providence 9, Rhode Island	7 L
PEASE, William ....	207 Bloomfield Ave., West Hartford, Conn.	.3 fl. M.A.
PEDEN, J. C., Jr. ....	3855 South Utica, Tulsa, Oklahoma	37 L
PEIFER, William S. ....	102 No. Swarthmore Ave., Ventnor, N. J.	4 F
PENICHE, William M. ....	3047 - 81st St., Jackson Heights, New York	38 Bc
PENNINGTON, Richard M. ....	161 Woodbine Rd., Havertown, Pa.	Day
PENNYPACKER, Edward Lane ....	203 W. Kings Highway, Haddonfield, New Jersey	16 Bs
PERHAM, George Porter ....	199 Lorraine Ave., Upper Montclair, New Jersey	5 M
PHILIPS, Robert N. ....	500 Lee Ave., Webster Groves, Missouri	67 Bn
PIERSON, Phillip Milroy ....	4452 Beacon St., Chicago, Illinois	5 L.H.
PIKE, Burton Emanuel ....	65 Rowena Road, Newton Centre 59, Massachusetts	23 Bs
POLLARD, Robert III ....	10 Buena Vista Rd., Asheville, North Carolina	68 Bn
PROCKOP, Darwin J. ....	Route #1, Palmerton, Pa.	14 M
PROSSER, Robert A. ....	2047 Green St., Philadelphia 30, Pa.	18 Bs
PUTNEY, W. Taylor III ....	3409 - 83rd St., Jackson Heights, New York	14 L

Name	Home Address	College Address
Q		
QUILLEN, Robert James, Jr. ....	110 West 6th St., New Castle, Delaware	26 L
R		
RADBILL, Hugh Russell .....	53 Haverford Station Rd., Haverford, Pa.	Day
RANCK, James Byrne, Jr. ....	20 West Third Street, Frederick, Maryland	38 Bc
RANKIN, Richard E. ....	715 E. 20th St., Chester, Pa.	24 L
REEDER, Rudolph Rex .....	2616 N. Lake Drive, Milwaukee, Wisconsin	28 L
RENINGER, Charles W. II. ....	128 So. St. Cloud St., Allentown, Pa.	50 Bn
REYNOLDS, Edward Allan. ....	304 Market Street, Pocomoke City, Maryland	1 F
REYNOLDS, J. Conrad .....	208 West State St., Kennett Square, Pa.	16 L
RHOADS, William L., III .....	206 Harding Ave., Havertown, Pa.	Day
RICHIE, Douglas H. ....	8 N. Main Street, Brewster, N. Y.	30 F
RICHIE, Robert H., Jr. ....	Oakbourne Road, West Chester, Pa. Local Address: 833 Buck Lane, Haverford, Pa.	Day
RICKERMAN, Henry G. ....	731 Panmure Rd., Haverford, Pa.	Day
RIDINGTON, Thomas Mackay .....	349 East Main St., Lansdale, Pennsylvania	113 M.A.
RITCHIE, George Blake .....	25 Gore Street, Wilkes-Barre, Pa.	2 Bs
RITTENHOUSE, Percy Neel .....	"Stomally" Box 343, West Chester, Pa.	12 F
ROBERTS, Francis Herbert .....	Pembroke Rd., St. Davids, Pa.	Day
ROBERTS, Garrett, Jr. ....	110 Lorraine Ave., Upper Montclair, N. J.	29 L
ROBERTSON, Walter G. ....	Rt. #1, Box 164, Port Blakely, Washington	68 Bn
RODEWALD, William Y. ....	508 Edgerton Place, Pittsburgh 8, Pa.	20 L
ROSENBAUM, C. Peter .....	1195 Asbury Avenue, Winnetka, Illinois	12-521
ROSENTHAL, David Richard .....	609 Reservoir St., Baltimore 17, Maryland Local Address: c/o Mr. R. Jameson, 731 Panmure Rd., Haverford,	Day
ROWE, David K. ....	2415 Merwood Lane, Merwood Park, Havertown, Pa.	17 M
RUDISILL, Rufus Clare .....	352 Kenmore Ave., Glenside, Pa.	8 M
RUTH, Thomas Nelson .....	10 Hillside Road, Baltimore 10, Maryland	3rd fl. M.A.

Name	Home Address	College Address
S		
SANGREE, Carl M., Jr. ....	702 Pennstone Road, Bryn Mawr, Pa.	11-521
SANGREE, Walter Hinchman ....	702 Pennstone Road, Bryn Mawr, Pa.	8 G.H.
SCHULTZ, Merle A. ....	44 Walton Avenue, Ardmore, Pa.	Day
SCHWARTZ, William ....	2921 East Newport Avenue, Milwaukee 11, Wisconsin	31 L
SEARLE, C. Stanley ....	129 Winchester Rd., Merion, Pa.	Day
SEARS, Donald F., Jr. ....	349 Lincoln Ave., Williamsport 12, Pa.	32 L
SEDER, Eugene I. ....	R.D. #1, Gibsonia, Pa. Local Address: c/o Mr. Frank Ufford, 605 Railroad Ave., Haverford, Pa.	Day
SEGAL, Arthur Gilbert ....	7801 Bayard Road, Philadelphia 19, Pa.	Day
SEGAL, Marvin ....	729 Snyder Ave., Philadelphia 48, Pa.	Day
SEGAL, Richard Malcolm ....	7801 Bayard Road, Philadelphia 19, Pa.	Day
SEIDEL, Barry Lee ....	624 Mt. Laurel Ave., Temple, Pa.	5 L.H.
SELIGSOHN, Walter Israel ....	590 Fort Washington Ave., New York 33, N. Y.	4 L.H.
SELLERS, Alexander D. ....	Box 594, Haverford, Pa.	5 F
SENER, Joseph Ward, Jr. ....	4 Bishop's Road, Baltimore 18, Maryland	7 L
SHAKESPEARE, Edward O. ....	248 Conestoga Rd., Wayne, Pa.	Day
SHARP, John Van Alstyne ....	180 Ames Avenue, Leonia, New Jersey	67 Bn
SHARPLESS, Francis Parvin Jr. ....	585 N. School Lane, Lancaster, Pa.	3 L
SHEARER, C. Robert ....	7528 Rogers Ave., Upper Darby, Pa.	Day
SHEPARD, Royal F., Jr. ....	24 Hamilton Road, Glen Ridge, New Jersey	16 L
SHIPLEY, Paul Emlen ....	8105 Ardmore Ave., Philadelphia 18, Pa.	5 Bs
SHOEMAKER, J. Howard III ....	87 Garden Street, Garden City, L. I., N. Y.	5 L
SINGER, Ellis Paul ....	139 Tuscan Rd., Maplewood, New Jersey	38 L
SMITH, Allen J., II ....	Wyndham Drive, R.D. 6, York, Pa.	115 M.A.
SMITH, H. Clement, II ....	Sheepscot, Maine	18 L

Name	Home Address	College Address
SMITH, Merle B. ....	68 Euclid Ave., Albany, New York	4 L
SMITH, Paul R. ....	509 Brookview Lane, Havertown, Pa.	28 L
SMYTH, Francis Scott, Jr. ....	916 Jackling Drive, Burlingame, California	41 Bc
SNADER, Edward R., III ....	547 Sussex Road, Wynnewood, Pennsylvania	50 Bn
SNIFFEN, Allan Mead. ....	25 So. Madison Ave., Spring Valley, New York	1 L
SNIPES, Bradshaw ....	Lincoln Highway, Morrisville, Pa. Local Address: Pendle Hill, Wallingford, Pa.	Day
SNIPES, E. Thomas, Jr. ....	Lincoln Highway, Morrisville, Pa.	16 F
SOLEM, G. Alan ....	625 N. Elmwood Ave., Oak Park, Illinois	21 Bs
SORG, W. Roger ....	40 So. Munn Ave., East Orange, N. J.	9-521
SPAETH, Karl H. ....	7021 Clearview St., Philadelphia 19, Pa.	1 L.H.
SPARKS, Donald I. ....	445 Roxborough Ave., Philadelphia 28, Pa. Telephone: IVy Ridge 2-2936-W	Day
SPROULE, Joseph ....	Haverford, Pa.	Day
STANMYER, Joseph R., Jr. ....	702 E. Willow Grove Ave., Philadelphia 18, Pa.	Day
STEERE, Peter Kormann ....	409 E. Ridge, Marquette, Michigan	25 L
STEERE, Thomas H. ....	627 Walnut Lane, Haverford, Pa.	Day
STERN, Harris Irving ....	1213 Stratford Ave., Melrose Park, Philadelphia 26, Pa.	15 M
STERN, Thomas ....	88-10 Whitney Ave., Elmhurst, L.I., New York City	11 L
STERNER, Paul Leonard, Jr. ....	1234 Pelhamdale Avenue, Pelham Manor, N. Y.	14 Bs
STETTENHEIM, Peter R. ....	Hurricane Hill, Reading, Vermont	16 Bs
STEVENS, Thomas M. ....	405 State Road, Bala-Cynwyd, Pa.	Day
STEWART, David W., II ....	125 Windsor Ave., Narberth, Pa.	Day
STOTT, Charles ....	905 South Main St., Newark, New York	63 Bn
STROHL, H. Frederick ....	24 East Clearfield Road, Havertown, Pa.	Day
STUCKI, William Robert ....	704 Jefferson Avenue, Cliffside Park, New Jersey	2 F
SUTTON, Robert Leeds ....	785 College Avenue, Haverford, Pa.	1 L



Name	Home Address	College Address
T		
TABOGA, Diogenes A. H. ....	8012 Roanoke St., Philadelphia 18, Pa.	Day
TANG, Wei-Zing Chi-Cheong .....	161 Wongneichong Road, Hong Kong, China	2 L.H.
TAPKE, Peter .....	1414 - 35th St., N.W., Washington 7, D. C.	36 L
TARR, Stanley R. ....	4028 Marshall Rd., Drexel Hill, Pa.	Day
TASSMAN, William S. ....	6540 Wissahickon Avenue, Philadelphia 19, Pa.	5 Bs
TATNALL, Runcie Lea, Jr. ....	26 Hilltop Road, Chestnut Hill, Philadelphia 19, Pa.	Day
TAYLOR, Richard Clark .....	Omena, Michigan Local Address: 215 N. Roberts Rd., Bryn Mawr, Pa.	Day
TEST, Edward Webster .....	Whitemarsh Rd., Philadelphia 18, Pa.	20 L
THOMAS, David E. ....	518 Foss Ave., Drexel Hill, Pa.	9 G.H.
THOMAS, John Paca .....	212 W. Highland Ave., Chestnut Hill, Philadelphia, Pa.	Day
THOMAS, John W. ....	1467 - 42nd St., Los Alamos, New Mexico	102 M.A.
THORNTON, Thomas P. ....	Mermont Plaza, Bryn Mawr, Pa.	Day
THORPE, James Hancock .....	20 Oakview Ave., Maplewood, New Jersey	10 L
TILLEY, David Campbell .....	7 Plaza Street, Brooklyn 17, New York	6 & 7 L.H.
TODD, John A. ....	Serpentine Lane, Wyncote, Pa.	7B F
TODD, Thomas A. ....	Serpentine Lane, Wyncote, Pa.	7B F
TODD, Wm. E., Jr. ....	3609 Warren Rd., Cleveland 11, Ohio	10 Bs
TOLAN, David J. ....	2951 N. Marietta Ave., Milwaukee 11, Wisconsin	5 L
TOLLIN, Solis .....	318 East 21st Street, Chester, Pa.	21 F
TOWNSEND, Wilson L., Jr. ....	32 Fawcett Street, Kensington, Maryland	108 M.A.
TRACCARELLA, Edmund A. ....	1010 Delaware Ave., Wilmington, Delaware	21 Bs
TRAVERS, John E. ....	230 North St., Apt. B-33, Buffalo, New York	22 L
TREYNOR, Jack Lawrence .....	424 Oakland Ave., Council Bluffs, Iowa	13 Bs
TRUB, John Gibson .....	355 Grove Road, South Orange, New Jersey	3 fl M.A.
TRUMPER, David K. ....	155 Summit Lane, Bala-Cynwyd, Pa.	7 Bs
TUCKER, Robert N. ....	The Lagoon, Paget East, Bermuda	12 M



Name	Home Address	College Address
TURLEY, Keith H. ....	501 Camden Ave., Moorestown, N. J.	30 L
TURNER, Conrad W. ....	307 Hamilton Rd., Wynnewood, Pa.	Day
TUTTLE, Edwin E. ....	76 Hillcrest Ave., Summit, New Jersey	32 L
TYCHANICH, John D. ....	53 Balmforth Ave., Danbury, Conn.	12 L

# V

VAIL, Philip C. ....	502 W. Front St., Media, Pa.	30 F
VAN ARKEL, Bernard ....	960 Glenbrook Road, Bryn Mawr, Pa.	Day
VEDOVA, Harold Frederick. ....	76 Sherman Avenue, Glen Ridge, New Jersey	6 Bs
VELTE, Robert Hulley ....	314 Saint George St., Lewisburg, Pa.	24 F
VITELLO, John A. ....	761 West Main St, Rochester 11, New York	23 F
VOGEL, William W. ....	218 Avon Road, Narberth, Pa.	Day
VOLLMAR, Philip M. ....	2552 Madison Rd., Cincinnati 8, Ohio	23 L

# W

WAGNER, John C. ....	149 Grandview Rd., Ardmore, Pa.	Day
WALKER, Ian Gordon ....	Frog Hollow Road, Rydal, Pa.	47 Bc
WALKER, Richard Alan ....	Doylestown R.D. #2, Pa.	Day
	Local Address: 510 Oakley Rd., Haverford, Pa.	
WALLERSTEIN, Edward Perry ....	Easton Road, Westport, Connecticut	29 L
WALNUT, Francis K. ....	1 Lehman Lane, Philadelphia 44, Pa.	7a F
WEBB, Peter W. ....	216 Sta. Ave., Langhorne, Pa.	67 Bn
WELSH, Charles N. ....	Buck Lane, Haverford, Pa.	Day
WESTERN, David S. ....	28 The Green, Woodstock, Vermont	Day
	Local Address: c/o Mr. T. Hetzel, 768 College Ave., Haverford, Pa.	
WESTHEAD, Edward William Jr. ....	In The Woods, St. Davids, Pa.	Day
WHITAKER, Robert C., Jr. ....	109 Hewett Road, Wyncote, Pa.	24 Bs
WHITALL, W. Brinton ....	5363 Magnolia Ave., Germantown, Philadelphia 44, Pa.	48 Bc
WHITCOMB, Harold C., Jr. ....	337 North 25th Street, Camp Hill, Pa.	22 L

Name	Home Address	College Address
WHITE, Robert B. ....	655 Fern Street, Yeadon, Pa. Local Address: 833 Buck Lane, Haverford, Pa.	Day
WIGHTMAN, Arthur Harvey .....	1905 Grand Ave., Keokuk, Iowa	15 L
WILBUR, D. Elliott, Jr. ....	115 Penna. Ave., Bryn Mawr, Pa.	13 Bs
WILCOX, John Rogers .....	127 South West Street, Allentown, Pa.	16 L
WILLIS, David Peter .....	62-65 Saunders Street, Forest Hills, New York	32 Bc
WILLOUGHBY, Alan Thomas .....	6239 Homer Street, Philadelphia 44, Pa.	33 L
WILSON, Frederick Thomas .....	5736 Harper Ave., Chicago 37, Illinois	63 Bn
WILSON, Richard E. ....	Garland Road, Concord, Mass.	107 M.A.
WINGERD, Robert A. ....	Edgar Ave. & Riddle Road, Chambersburg, Pa.	32 L
WIRT, John Belding .....	Clifton Ave., Toms River, N. J.	14 Bs
WIXOM, William D. ....	20 Appleton Place, Montclair, New Jersey	7 Bs
WOLL, John W. Jr., .....	Oak Dale Farm, Newtown, Pa.	14 Bs
WOOD, Horatio C., IV .....	4309 Prospect Road, Peoria, Illinois	16 Bs
WOOD, James .....	'Braewold', Mount Kisco, New York	48 Bc
WOODWARD, Thomas Mullen, Jr. ....	3044 P Street, N.W., Washington 7, D. C.	23 Bs
WRIGHT, Daniel Ranney .....	79 Coveland Drive, Avon Lake, Ohio	7 L
WRIGHT, Theodore C. ....	107 Lee Avenue, Trenton 8, N. J.	22 F
WURSTER, Charles F., Jr. ....	309 Chew Street, Philadelphia 20, Pa.	Day

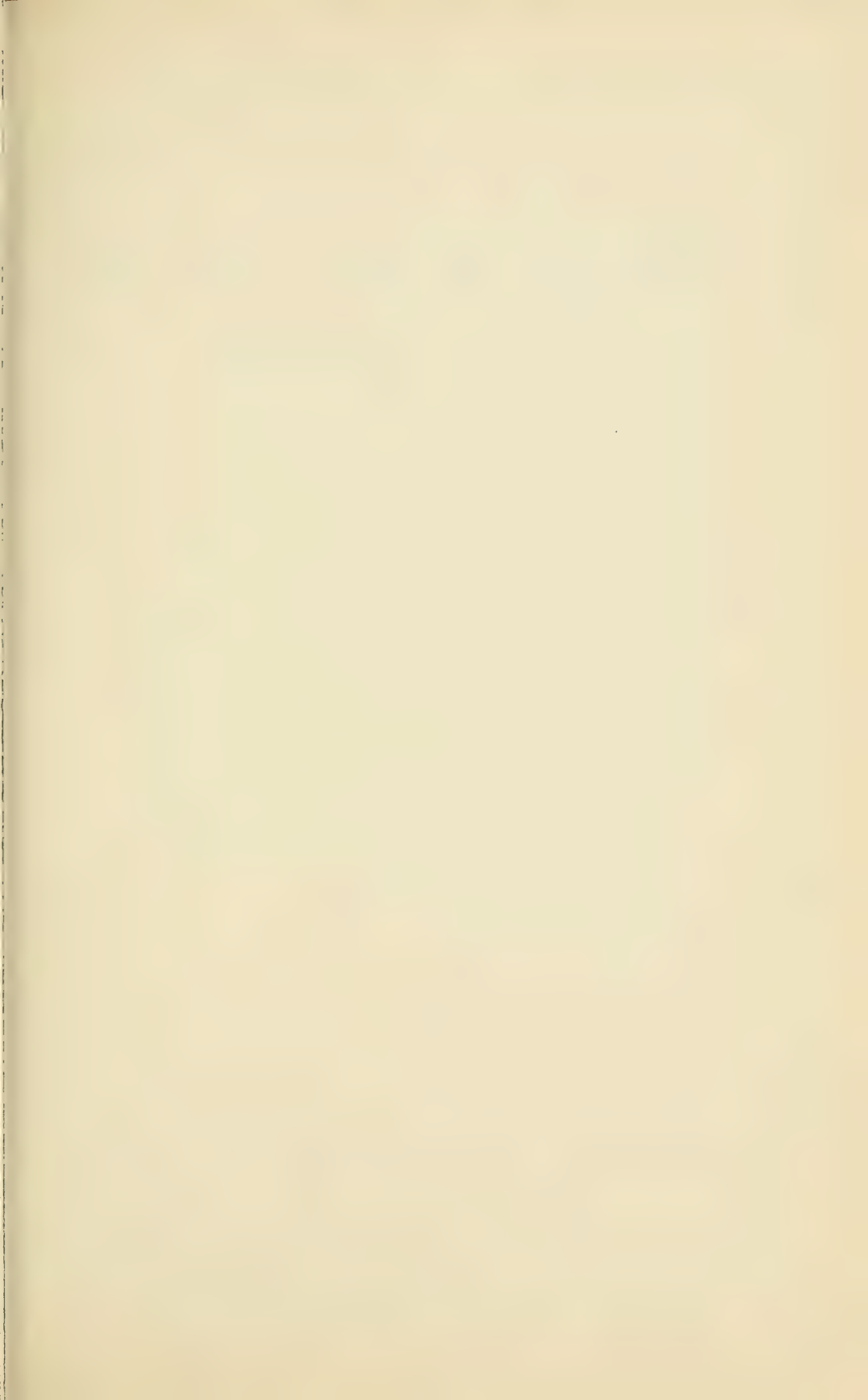
# Y

YOUNG, Donald L. ....	24163 West River Rd., Grosse Ile, Michigan	4 Bs
YOUNG, Walter George .....	168 Malling Drive, Rochester, New York	104 M.A.

# Z

ZERRER, John Gehri .....	235 E. Waverly Road, Wyncote, Pa.	42 Bc
ZIMMERMAN, Thomas C. ....	Servena Park, Maryland	6-7 LH
ZWEIFLER, Andrew Jonathan .....	46 Wilbur Ave., Newark 8, New Jersey	21 L





Issued June, October, November, December  
by Haverford College, Haverford, Pennsylvania

Entered as second-class matter November 2, 1944 at the Post  
Office at Haverford, Pa., under the Act of August 24, 1912

Printed in U. S. A.



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REPORT OF THE PRESIDENT

1947 - 1948

VOLUME XLVII

NUMBER THREE

NOVEMBER, 1948

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## REPORT OF THE PRESIDENT

*Presented at the  
Annual Meeting of the Corporation  
of Haverford College*

*October 19, 1948*

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THE basic test of progress in a college such as ours is in the intellectual and spiritual growth of the young men with whom we deal. It is only as they sharpen their powers of logical analysis, deepen their perception of values, and strengthen their ability to act courageously upon those values that we who are responsible for Haverford can feel any satisfaction in its conduct. We should be satisfied with nothing less than a college program which encourages and nourishes the habit of principled action by our graduates.

Although it is difficult to measure progress in that direction, in contrast to the relative ease with which the command of facts or technological skill or salary can be measured, it is possible to distinguish a few signs of such growth among students and alumni. Some of the new developments in the life of the College must be regarded for the present as indications of high intention and faith upon the part of faculty and administration. We cannot be entirely confident as to the results. Modern-day education is unfortunately full of broad declarations of purpose supported by little or no evidence as to what happens to its products. A continuing appraisal of results is an essential part of the College's work.

A year ago a large part of my report was given to the new College Program which at that time had been prepared by the faculty and had been discussed with alumni and with students. Since then the program has been approved by the Board of Managers, and cautious steps have been taken to translate it into action. These are noted in the following review of the years work.

### THE YEAR IN REVIEW

#### STUDENTS

The high enrollment of 552 students with which we began the year dropped to 525 during the second semester. This number was more than we would



have liked and far more than the enrollment which we are inclined to feel is the optimum. The bulge was in the three upper classes so that it will require two more years before a total enrollment of 400 can be reached. While every effort was made to minimize the ill effects of this large enrollment by employing extra teachers I believe it is the consensus of the faculty that the current size of the College makes it extremely difficult to maintain the close contacts between students and faculty, and the strong sense of individual responsibility for community welfare that we cherish for Haverford.

A new and much simplified constitution of the Students Association was adopted during the year, but it has not yet been tried sufficiently to warrant an appraisal. The sharing of student experience in extra-curricular activities was relatively vigorous. For example, out of the total enrollment of 552 students last year, approximately 133 were in one or more of the dramatic productions. The College supported 20 athletic teams: 124 men received major letters during the year. These numbers and the effort to devise a more effective system of student government appear to be signs that the student life has involved a healthy combination of academic and extra-curricular pursuits.

At the suggestions of a student group, the College began last year a series of special meetings for all new students in order to introduce them to the history of Quakerism, and the meaning of its meditative silence and social testimonies. The response from students was encouraging. The program accordingly will be repeated this year.

Another innovation which helped draw the student body together was Spring Day, a day when parents and friends shared in the College life by attending representative classes and sports events, and by meeting informally with the faculty.

We are deeply concerned with the motivation of students. This is bound up in their religious beliefs, their perceptive skills, and the breadth of their experience. It is reflected in part in their choice of a vocation, and in the reasons for that choice. Of the men who expect to receive the bachelor's degree during the current year, 25 percent intend to study medicine, 10 percent intend to study law, 3 percent expect to enter the ministry, and 20 percent are looking to graduate work with a view to later research or teaching. Given a student body of this character, we are seeking to find out more concerning the influence of the College on their motivation, and concerning their need for guidance.

Statistics as to the number and composition of the student body are given in the accompanying tables.

## *FACULTY*

Although it has been 14 years since Rufus Jones retired as an active member of the faculty, he never retired as an active member of the College community. His death on June 16, 1948 was a tremendous loss to our faculty as well as to that great fellowship of Friends and like-minded people for whom Rufus Jones was a spiritual leader. May his inspiring teaching, his rich ministry, and his genial spirit of friendship for all men live on in this College!

It also is necessary to report with regret the retirement at the end of the year of Dean P. Lockwood as Librarian and Professor of Latin, and of Frank D. Watson as Professor of Sociology. Dean Lockwood, an outstanding scholar in Latin literature, in 28 years of service as Librarian contributed greatly to building the Library to its present quality and efficiency. Frank Watson as an able teacher of social problems since 1914 has demonstrated a deep sense of community responsibility and leadership in his own life. We are happy that both will remain in residence on the Haverford campus. The College lost two other members of its long-term teaching staff: Frank Fetter who accepted appointment at Northwestern University, and Francis Evans who accepted appointment at the University of Michigan.

New appointments to the full-time staff for the current year include O. Theodor Benfey in Chemistry, R. Martin Bruns in Political Science, Marcel Gutwirth in Romance Languages, Holland Hunter in Economics, Fillmore Sanford in Psychology, Herman Somers in Political Science, James Street in Economics, and Norman Wilson in Engineering. Sabbatic leave was granted for the past year to John Kelly who studied in Switzerland, Cletus Oakley who carried on mathematical work in Mexico, Arnold Post who during the second semester gave the Sather lectures at the University of California, and Douglas Steere who studied and travelled in Germany and Scandinavia. For the current year, sabbatic leaves have been granted to Carl Allendoerfer, Louis Green, and William Lunt (second semester).

## *CURRICULUM*

As a part of the College Program adopted by the faculty last year and approved by the Board on November 21, 1947, new general courses were offered in humanities, biological science and physical science. Those new offerings are continuing on trial this year, and are supplemented by a general course in social science. All four courses are intended to deal with fundamental ideas and methods of thinking in their respective fields. We expect them to

provide a sound foundation for more advanced work in each field, and to emphasize the crucial problem and methods of value judgment in all fields of knowledge.

An encouraging beginning also was made with a special section of Freshman mathematics in which major mathematical concepts, some of them ordinarily given only in advanced courses, were presented to students who did not expect to elect any further mathematics.

Both of these developments reflect a tendency to regard each basic course in the College as possibly *terminal* for the student, rather than as an introduction to advanced courses which most students will not take.

A special faculty committee canvassed the opportunities for instruction in the field of human relations and suggested a new line of work which is being initiated in the Psychology Department this year.

### NON-ACADEMIC UNITS

We have proceeded cautiously with the program of non-academic instruction directed at cultivating aesthetic perception, the creative use of materials, and related activities requiring independent judgment by students. As a first step, a unit in music appreciation was offered last winter. This autumn a small group of students are sharing in instruction in analysis of art offered by the Barnes Foundation. The current year will see a full-scale trial of the program with members of the Sophomore class, including music appreciation, community service, and weekend work camps.

Of related interest was the continuation for a second year of the work camp combining Spanish-language instruction and service work under the auspices of the American Friends Service Committee in Mexico. During the past summer the College joined with the American Friends Service Committee in sponsoring, with the support of a grant from the Carnegie Corporation, a careful appraisal of the educational values of work-camp experiences. We hope that this appraisal will indicate the major benefits and difficulties of service in work camps so that we will be better able to judge their proper place in a college program which regards the development of courageous and effective men as its central aim.

In this same direction, Haverford collaborated with Bryn Mawr and Swarthmore last summer in sponsoring a unit of 30 students who worked as attendants at the Norristown State Hospital and who lived on the Haverford campus.

## PLANT

The last of the "extraordinary" repairs resulting from long-deferred maintenance were completed during the year, with the rewiring of trouble spots in Sharpless Hall. A series of urgently-needed improvements in physical plant also were made with allocations from the Leeds Gift: new facilities were provided for members of the secretarial staff and for the janitors; the old faculty room was renovated; the chemistry laboratories were expanded; and physics laboratory equipment was repaired and renovated.

Recognizing the importance of a sense of social security in the whole College community, the College instituted a system of pensions and death benefits for non-faculty employees.

Faculty housing was the most difficult problem. At the beginning of the year we foresaw a housing shortage by this autumn, if retired members of the faculty were to be permitted to remain on the campus, and accordingly plans were made to build a modern four-unit apartment house to care for prospective needs. Although the resulting architect's plans were attractive, the contractor's bids were not, and it was decided to abandon any new construction. Instead, the Forman house on Oakley Road was purchased and converted into a language house, at the same time converting No. 2 College Lane into three apartments. That change, plus the purchase and conversion into apartments of the house at 773 College Avenue, and the conversion of the old carriage house into a residence, has given enough residential space to meet immediate needs. However, there are still faculty living off the campus who would like to find space on it.

## ALUMNI

The completion of the Haverford Alumni Survey under the guidance of a special alumni committee yielded an extremely valuable analysis of the thinking on the part of a representative cross section of the alumni as to the future of Haverford. The survey reported the range and quality of alumni opinion on the objectives and methods of the College, it provoked a number of searching criticisms of the College, and it revealed several points where more information is needed or desired by interested alumni. It showed a high degree of agreement on such vital policies as the planned enrollment of 400, the emphasis on liberal arts subjects, the place of Fifth-Day Meeting for Worship, and the present admissions procedures. Without overlooking the many helpful criticisms and suggestions inspired by the survey, it may be said that the outstanding lesson from the survey is the unity among Haverford graduates in their aspiration that the College may continue to be a small, religiously centered community with high standards of teaching by inspiring men.



The past summer saw another forward step in alumni-college relations. An alumni committee with the counsel and help of Frank Watson carried out a Family Weekend in which 23 alumni families—including all the children—gave four days of residence on the campus to discussion of problems of child development and guidance. Expert care was provided for the children, while experienced physicians, psychiatrists and psychologists met with the parents. The College sought in this fashion to help its alumni in what is the most fundamental of all educational tasks and that which is most dependent upon sympathetic, intelligent parents—the guidance of the pre-adolescent child.

### FINANCES

We have again completed the year with an operating gain, thanks to careful control of College expenditures and, particularly, to an unexpected and fortunately large rate of return from invested funds.

It must be remembered, however, that the College also was faced with the last of the large bills for extraordinary repairs incurred during the preceding two years, and that those costs slightly exceeded the operating gain.

This result was obtained without using the net income from the Alumni Fund for the year. Thus, we now are able to effect a change long advocated by alumni representatives and certain to add stability to College finances in the future: applying the Alumni Fund receipts to expenditures for designated purposes under the College budget. Now we can use the Alumni money in hand for specific projects rather than incur obligations for general purposes in the hope that the receipts will cover them before the year is out.

All of us who are close to the day by day operations at the College feel grateful for the alumni interest and concern that is expressed in the Alumni Fund contributions. They show a growing confidence, and they make possible important new improvements.

In addition to a growing Alumni Fund, it is a pleasure to report three class gifts presented to the College at Commencement time: the endowment of a new lectureship by the class of 1898; the renovation of the basement of the gymnasium by the Class of 1923; and endowment of a prize for outstanding service by student organizations by the Class of 1943.

Although the College endowment had remained almost stationary during the preceding 20 years, the past year saw the formal addition to its general endowment of a sum totaling more than \$185,000. These additions included direct bequests of \$103,000 from the estate of Parker Williams, '94, and \$35,000 from the estate of Mary Comly. The College also became the beneficiary of the income from approximately \$180,000 held in trust from the



estate of Henry C. Brown, ex '65. Heartening as are these recently received bequests, it should be remembered that the College failed to enlarge its endowment over years when salaries and operating expenses increased greatly. We must now seek to remedy that deficiency.

After several months of earnest review of the College's finances and public relations by representatives from the Board of Managers and the Alumni Association, it was decided last spring to appoint an additional member of the administrative staff to be responsible for the whole area of community relations, including fund raising and relations with the alumni. We were fortunate in obtaining Lester Haworth for that position. He enters into his duties as Vice-President with a broad experience in community service and a strong concern for Friends education.

## THE ROLE OF A QUAKER COLLEGE

Most of the new developments during the past year are in the direction of perfecting a liberal arts College founded upon a firm, living tradition of Quakerism. Maintaining a small enrollment is essential to the common experience which fosters intellectual and spiritual growth. The changes in course offerings are calculated to expose the student as early and as widely as practicable to the making of value judgments, and to the major ideas and methods of thinking which are basic to wise judgment. The emphasis upon meeting for worship symbolizes a concern that shared religious experience and the discipline of meditation have a central part in the lives of men. The new non-academic units are designed to develop the habit of individual decision and to place the student in social situations calling for sympathetic and purposeful action. The whole working of the student government and very broad honor system is intended to build such habits of responsible action.

I feel that we are making substantial progress in that direction, finding new or more effective means of expressing this old concern for unified educational experience. We recognize a good many difficulties that remain, but we also can find evidence of some success in the quality of student growth in the classroom and of student life in the College community. To me, the most heartening facts revealed by the Haverford Alumni Survey are the very low divorce rate prevailing among our alumni, and the very high rate of participation as teachers or trustees in public and private education. These are more revealing of the quality of life which we seek to promote than are the pleasing statistics as to Haverford men who have made *Who's Who* or *American Men of Science*.

As a College we have a heavy responsibility to promote education with these objectives and these general methods. We can do that best by demonstrating them in action. The past year has shown that we have the resources of students and faculty, of concerned alumni, and of vital ideas with which to continue the demonstration that is under way.

GILBERT F. WHITE

## STATISTICS FOR REPORT OF THE PRESIDENT

1947-1948

### ENROLLMENT

Fall Semester, 1944 .....	125
Fall Semester, 1945 .....	172
Spring Semester, 1946 .....	280
Fall Semester, 1946 .....	492
Spring Semester, 1947 .....	503
Fall Semester, 1947 .....	552
Spring Semester, 1948 .....	534
Fall Semester, 1948 .....	556

### COMPOSITION OF THE STUDENT BODY, FALL SEMESTER, 1948

The student body represents 29 states. In addition, Honolulu, and the following foreign countries are represented: Nigeria, British West Indies, Canada, China, Costa Rica, England, France, Greece and Japan.

Students who are members of the Society of Friends number 69, or 12.42 per cent of the total.

### REGISTRATION IN ACADEMIC COURSES

<i>Department</i>	<i>Registrations*</i>									
	1948	1947	1946	1945	1944	1943	1942	1941	1940	
Astronomy .....	16	18	12	1	0	1	15	22	43	
Biblical Literature ....	65	36	33	1	12	3	12	18	27	
Biology .....	48	56	93	61	32	46	66	81	92	
Chemistry .....	187	232	193	79	54	78	228	224	180	
Economics .....	212	226	115	30	22	27	124	147	155	
Engineering .....	44	39	43	17	15	25	95	74	62	
English .....	414	353	423	151	101	77	195	224	187	
French .....	86	120	107	43	26	25	36	64	93	
German .....	129	157	140	56	59	52	117	100	111	

	1948	1947	1946	1945	1944	1943	1942	1941	1940
Greek .....	34	46	30	2	7	6	24	18	12
History .....	242	177	208	94	60	45	98	143	156
Latin .....	3	15	12	8	4	5	30	24	29
Mathematics .....	176	184	198	68	50	59	162	158	121
Music .....	11	11	25	7	14	5	31	18	23
Philosophy .....	213	284	181	56)	37	35	86	99	95
Psychology .....	174	93	97	27)					
Physics .....	98	76	73	34	35	58	120	77	83
Political Science .....	180	216	148	31	36	34	94	100	121
Russian .....	12	8	8	0	0	0	0	0	0
Sociology .....	107	108	153	42	14	28	43	72	82
Spanish .....	70	100	84	22	20	21	65	48	12
<i>General Courses</i>									
Biological Science .....	57	63	0	0	0	0	0	0	0
Humanities .....	41	19	4	6	0	0	0	0	0
Physical Science .....	36	52	0	0	0	0	0	0	0
Social Science .....	52	0	0	0	0	0	0	0	0

*\*Statistics show the registrations for the Fall Semester of each year.*

#### HAVERFORD STUDENTS at BRYN MAWR

Biology .....	1
Classical Archaeology .....	4
Economics and Politics .....	3
English .....	8
Geology .....	5
German .....	1
History .....	2
History of Art .....	31**
Music .....	1
Philosophy .....	1
Psychology .....	8
Russian .....	5
Sociology .....	1
Interdepartmental Course .....	1

*\*\*This figure includes 24 registrations in the introductory course which is given at Haverford.*

#### HAVERFORD STUDENTS at the UNIVERSITY OF PENNSYLVANIA

Business Law .....	1
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#### DEGREES GRANTED, JUNE 12, 1948

A. B. ....	93
S. B. ....	8
A. M. ....	7
S. M. ....	2

## REPORT OF THE LIBRARIAN

1947-1948

The academic year 1947-48 was, if not hectic, at least a very busy one in the Library. Record-breaking student enrollment and an increase in the number of outside readers pushed circulation up to an all-time high. The new and exacting system of control for Reserve Books, which was adopted on the recommendation of the Student Council and put into successful operation during the year, was a considerable addition to the routine work of the staff. So greatly did the demand for carrels exceed the supply, that all of them—as well as a few odd nooks both in the old building and in the new—were assigned for definite periods to one or more students. The popularity of the carrels is a clear indication of their usefulness in creating a pleasant atmosphere for hard work. During this year, for the first time, all books acquired by Bryn Mawr College were recorded in our catalog. Interlibrary loans (370 volumes lent, 82 borrowed) were close to the high mark of 1944-45 (380 lent, 156 borrowed).

The Library Associates, under the presidency of our near neighbor, Samuel Scoville, Jr., had a successful year. Three meetings were held: Carl W. McCardle of *The Evening Bulletin* spoke on "Experiences in Russia," Robert P. Tristram Coffin of Bowdoin College read selections from his poetry, and the President of the Associates addressed the members on "Refuges and Escapes." To commemorate the donation of the four Shakespeare Folios by William Pyle Philips, '02, the publication of a pamphlet (Haverford College. Occasional Papers, No. 1) was authorized.

### GROWTH OF THE LIBRARY

In spite of the devastating rise in the cost of books, more were acquired by purchase during 1947-48 than for some years past (1835 volumes). This was made possible by a second ten percent increase in book income from the Yarnall Fund (see last year's Library Report, page 15, paragraph 2) and by the current expenditure of the accumulated funds which had been laid aside for post-war purchases. Generous contributions were also made from the accumulated funds of the Library Associates. But the cost of books is still rising, and there is no further accumulation of reserve funds to draw on. The Library Committee, therefore, after careful study, recommended to the President of the College that means be found to increase our book funds from their present total income of approximately \$6,500 to \$10,000.



The number of books received by gift from year to year is naturally subject to great fluctuation. When all the books that were acquired by gift in 1947-48 shall have been duly cataloged and shelved, the number will amount to 1182 volumes—a very substantial increment, for which we are deeply grateful to our many friends. Actually, however, by August 31, 1948 (when the academic year officially ended) only 653 volumes of the total number acquired by gift had been fully “processed” and incorporated in our collections. The discrepancy is chiefly due to the fact that the two largest gifts of the year (1200 volumes from Henry C. Forman and 666 from the late Jessie Allen Page) were received at the end of the year. It should be noted, of course, that the number of volumes received from donors is always far in excess of the number finally incorporated in our library: duplicates are passed on to other institutions.

It must be confessed, however, that our handling of gifts is often exasperatingly slow. This is partly unavoidable, for we may suddenly receive a gift of a thousand books any day. Purchases, on the other hand, are so carefully weighed by all members of the faculty, that, except for a slight rush at the beginning of each semester, they tend to maintain a thin and steady stream throughout the year. It would be a great improvement, however, if means could be devised whereby gifts of books could be handled more expeditiously. A greater amount of elasticity in the staff work of the Library is clearly indicated, but that in turn is directly dependent upon enlargement of the Staff to the point where merely racing to keep up with necessary routine does not absorb all the time and energy of the librarians. Which leads me to my next topic.

### PROBLEMS OF OPERATION

For the accomplishment of routine work and for carrying out a reasonable program of new projects, we were still understaffed in 1947-48. We had a staff of nine, including the Librarian. To do the library work which our present educational set-up demands, we should have a Staff of at least ten. The shortage was particularly felt during the past year in the acquisitions wing of the Library: ordering, cataloging, and binding were often delayed; and the incorporating of large gifts into our collections, as I have already said, was unduly protracted. But far more serious is the fact that important projects, of the kind that are always at hand in an organic and dynamic library, cry out for completion, but remain, year after year, unattended to: such as—

Improved plans and guides to assist readers in locating books;

Labeling of book cases and sections for quick identification of contents;



Rearrangement of books in the North Wing (upset by the installation of the new Reserve Book Room);

Revision of the card catalog to weed out anomalies which have crept in because of inevitable changes of policy over the years;

Erasure of obsolete items on catalog cards, such as the old "Stack" location, contrasted with the "Main Library"—a distinction which has been meaningless ever since the new building was erected;

Insertion of charging cards in every book in the Main Library (as has already been done in the Department Libraries), which would make our charging system much quicker and easier for the reader;

Typing of old hand-written cards now filed in the catalog;

Establishment of an *abridged* Card Catalog, containing author-cards only, for quick reference and for saving the casual reader from the necessity of wading through the complete bibliographical material needed by the scholar;

Revision of the Haverfordiana Collection, preliminary to relocating it in the room at the northwest corner of the old building (formerly the ante-room to the Storage Stack, which is now the Treasure Room: this new Semi-Treasure Room will accommodate archives and documentary materials of lesser value).

Many other projects might be cited; and future problems, now unforeseen, are sure to arise. We cannot remain static. Nor should we allow changes in educational policy to impose ever increasing burdens of routine work on the Library. The Library itself is a major educational department or division of the College, and it must be given the opportunity to be more than a mere "lending library."

Naturally, during the crowded year just past, student assistance in the Library attained record-breaking proportions. The system of student helpers, obviously of great value to the Library and to the workers themselves, is not without beneficial influence on the morale of the whole student body, for it is one of our finest manifestations of student government. It may be doubted, however, whether it can be extended further. In particular, the addition of the Reserve Book Room has so enlarged the number of student helpers that positions can barely be adequately filled. Student help is necessarily intermittent and fluctuating; efficiency is strained by the need for employing many helpers on short shifts. I believe that we have just about extended the system to its limit; and when the student body shall have been reduced to the statutory 400, I am not sure that there will be sufficient help available. We shall then be faced with the difficult problem of employing outside help for evenings and weekends.

## ALLOTMENTS AND BOOK FUNDS

As an aftermath (I presume) of the War, no change had been made in department allotments for four years. It was felt, therefore, that the time had come for a thorough revision of the schedule. Accordingly, the Library Committee gave the problem careful study, taking into consideration student election of courses and post-war trends and changes in the curriculum. The net result was to increase the allotments in chemistry, economics, political science, psychology, and physics.

Turning now to special funds, I call attention, with deep regret, to the shrinkage and final disappearance of the allotment for books from the W. D. and E. M. L. Scull Fund. (The entire income of this fund is now used for salary). The great collection of books and periodicals on Medieval and English Constitutional History, built up over the years by Professor Lunt through wise expenditure of the originally generous allotments from this fund, is one of the chief glories of the Haverford College Library. As long as a collection of books in any field of scholarship is kept alive and up-to-date, its educational value steadily increases; but the moment it is allowed to die and become a fossil (so to speak), its value declines with extraordinary rapidity. As a "closed" collection, its contents can only serve educational needs when used in conjunction with current books, situated in other libraries and never fully available to any one scholar at any one time. Inter-library loans—a relatively slow and expensive method for supplying books to scholars—do not make up the deficiency. Collections, moreover, which contain many sets of learned periodicals are particularly vulnerable to stoppages; once interrupted, periodicals can be restored only with the greatest of difficulty and at vastly increased expense. The "Lunt Collection" (if I may so designate it) is famous for containing practically *all* of the local historical societies and pertinent government publications of Great Britain (some thirty-five in number), not to mention the ordinary run of historical periodicals. I feel no hesitation, therefore, in saying that the most serious problem now confronting the Haverford Library is the maintenance of funds for carrying on the "Lunt Collection," whether through restoration of Scull Fund income or through the raising or allocations of new funds for this purpose. Current makeshifts by which the periodicals are being maintained will peter out within a year; the purchase of books has practically ceased. The scholarly reputation of the Library and of Haverford College is at stake.

### THE IDEAL OF THE WORKABLE SMALL-COLLEGE LIBRARY

A recent event in the library world presents, I believe, a final vindication of the small college as the ideal unit of undergraduate life. For many years

we have witnessed the establishment of "houses" or "colleges" in our great universities (such as Harvard and Yale), whereby the unwieldy student-body was divided up into manageable groups, averaging about 200 members (half the size, be it noted, of Haverford's 400—have the universities the advantage after all?). The latest development, however, in untangling and unscrambling the universities is the establishment of the Lamont Library at Harvard, a separate collection of books in all fields for undergraduate use only. (The Widener Library, with its four or five million books, has proved to be a labyrinth in which the undergraduate—if admitted at all—gets hopelessly lost). The number of volumes in the Lamont Library will be limited, if I am not mistaken, to about 200,000—which is roughly the present size of our own Library and a little less than that of Bryn Mawr. In my opinion, this figure perhaps as much as 250,000), under existing educational conditions, should be approximately our on-campus limit. Beyond this figure we should, on the one hand, assiduously discard our deadwood, and, on the other hand, look to the establishment of a cooperative, centrally-located storage building for the less-used books from the libraries of all the institutions on the Main Line.

#### STATISTICS

The total number of volumes in the Library at the end of August, 1948, was 174,616. During the past year, 2718 volumes were added: 1835 by purchase, 653 by gift or exchange, and 230 from the United States Government for our Government Depository Collection. Many more books and pamphlets were received from the Government, but not cataloged. 131 books were discarded.

Gifts of one or more volumes were received from over a hundred donors—students, faculty, friends, and educational institutions. The larger gifts were as follows:

From Henry C. Forman, 1200 books and pamphlets, formerly in the Forman House, now the Language House of the College.

From Jessie Allen Page, a member of the Library Associates, 666 books on history, art, literature, music, and travel—a welcome addition to our collections for the "general reader."

From A. Jardine Williamson, seven volumes of *Life* and 272 books on all subjects.

From Robert Barrie, a member of the Library Associates, 74 books, mostly on art.

From Perry A. Hunter, 24 volumes.

From C. Dexter Jones, 22 volumes.

From Horace R. Hayday, 21 books to be added to the Collection on World War I.

From Allan S. FitzGerald, 17 "Book Club" volumes.

From K. A. Auty, 14 volumes of Lillywhite's and M. C. C. cricket scores, besides a number of other books on cricket.

From Rufus M. Jones, 10 volumes of additions to the Collection on Mysticism and the Collection of his own works.

From G. D. McDonald, 9 volumes.

From Victor Schoepperle, 9 volumes.

From J. Duncan Spaeth, 8 volumes of recent publications on literature and current events.

From Mrs. John S. Sharpe, 8 volumes.

From the Library of

Anna B. Thomas, 8 volumes.

Walter W. Pharo, 8 volumes.

William T. Sharpless, 8 volumes

Two valuable pieces of furniture were donated to the Library during the year:

From Mrs. Brooks Semple, a large mahogany bookcase with glass doors.

From Dr. Ethel G. Pierce, a large round mahogany table.

The total circulation of books outside the Library was 28,196. Of this number, 3,711 were lent to the faculty, 19,648 to students, and 4,837 to borrowers not connected with the College. The total number of reserve books lent was 23,363. The number of books in use in carrels was 1,510. For interlibrary loans see section 1 of this report.

We continue to send our serial holdings to the H. W. Wilson Co. for publication in the *Union List of Serials*, and we transmit cards to the Philadelphia Union Catalog and to Bryn Mawr College for all books cataloged by us. Bryn Mawr in turn now sends us a complete record of its new acquisitions, which we incorporate in our catalog.

DEAN P. LOCKWOOD

*Librarian*

## REPORT OF THE CURATOR OF THE QUAKER COLLECTION

1947-1948

Haverford's Quaker books and manuscripts, and her other rarities which fill the Treasure Room and overflow into the rest of the building, give our Library its chief claim to distinction; and the use to which these treasures are put determines their significance. Readers, visitors, and the staff who serve



them, distinguish the Treasure Room from the dusty, useless depository that it might be, and the vital place it is. It is gratifying to report that the circulation of Quaker books among students has grown this year with the growth of our peace-time student body, particularly in the autumn term when William W. Comfort offered a course on the History and Philosophy of Quakerism. More Freshman visited and used the Quaker Collection than ever before, stimulated perhaps by the four interpretative lectures on the Society of Friends which they heard at the opening of College, and by the Curator's conducted tours of the Treasure Room for all new students. On Spring Day we had more visitors—students and their parents—than at any time since the dedication of the Treasure Room in 1942. On Commencement too a goodly number of friends old and new came in to see us, but not as many this year as on the new festival day in May.

The four meetings of the Library Associates, while not on Quaker subjects, brought many of the Library's most devoted friends to the Treasure Room again. For three of the meetings we prepared special exhibits—Russian magazines and newspapers for Carl McCardle, bird and flower paintings by Jacob B. Abbott and Hugh E. Stone for Samuel Scoville, Jr., and books and autographs of William James for Barrows Dunham. We displayed the William Penn books, the Shakespeare folios, and other recent gifts at different times, and felt gratified to be able to furnish rare Bibles and some Alexander Pope manuscripts from the Roberts Collection for exhibitions of the Bryn Mawr College Library.

Twenty-two scholars and research students came to Haverford in person—some, like Henry J. Cadbury, many times—to consult our treasures. From Mexico, Jamaica, and Spain; from Georgia, Ohio, California, New York, Illinois, Maryland, and the District of Columbia, men and women journeyed to Haverford to use our resources in the preparation of articles, essays, and books on Quaker subjects. Several of the year's publications, such as William W. Comfort's study of *William Penn and our Liberties*; and his pamphlet, *The Quakers: A Brief Account of Their Influence on Pennsylvania*; Emily Moore's biography of Thomas Story; and Edward D. Snyder's edition of letters from John Greenleaf Whittier to William J. Allinson, drew at least part of their material from Haverford. Emily Moore, working in England, got her Haverford assistance by mail, as did sixty-five other inquirers who wrote seeking information on all kinds of subjects, from Quakers in Russia to Quaker limericks, from Prudence Crandall, the Quaker abolitionist school teacher, to Joshua Humphreys, the Quaker builder of fighting frigates. Were the Arch Street records deposited at Haverford, as those of Race Street Friends are at



Swarthmore, we should have many more inquiries—especially those of a genealogical nature—than our present staff could possibly answer. As it is we keep up with the work in the Treasure Room proper. Our great handicap during the past year, for which no immediate relief seems in prospect, lay in the inability of the cataloging department of the Library to take care of all the demands upon it. Books for College classes come first with the catalogers, and Quaker books have had to wait. We hope that in spite of the extraordinary shortage of trained librarians and the extraordinary salaries which even beginners are asking, the Library may soon be able to employ enough skilled people to break the log-jam of books, Quaker and non-Quaker.

Our Quaker staff enjoyed the agreeable and useful visit in December and January of Muriel A. Hicks, who came to Haverford from her post as Assistant Librarian in the Friends Library in London. Her visit was part of a general exchange of assistant librarians between London on the one hand, and Haverford and Swarthmore on the other. Haverford's return visit will take place next spring, when Anna B. Hewitt, our Assistant Curator, goes to London for two months to learn the ways of the Friends Library there.

The growth of our collection comes about in three ways; by gifts of special funds, by gifts of books, manuscripts, microfilms, maps and pictures, and by purchase from the income from our regular funds—the Jenks fund, the Longstreth fund, and the W. W. Comfort fund. Two most generous gifts of purchase funds came to us this year; the Book Association of Friends of Philadelphia contributed thirty-five dollars for current Quaker books, and Henry Vogt, of Summit, New Jersey, father of Roy Vogt of the Class of 1941, gave Haverford \$1000 "for the purchase of Quaker literature." Roy Vogt himself presented to the Roberts Collection three years ago an autograph of Adolph Hitler, which he had himself secured at the Olympic Games in 1936. His father's notable gift, which came through Vice-President MacIntosh, will be used to acquire the unusual and rare Quaker volumes which income from our regular funds does not permit us to buy. Our initial purchase with the Vogt fund was the rare first edition, in its original leather binding, of William Bartram's famous *Travels through North and South Carolina, Georgia, East and West Florida*. (Philadelphia, 1791).

This year our purchases of Quaker books, some new, some old, differed little in numbers from last year: 125 as compared to 123. The number of gifts dropped from 127 to 72, partly because we received no large collections this year, partly because gifts come in at irregular intervals. We always welcome gifts, for usually they amount to as many or more volumes as our purchases, and many times they include rare books which seldom appear on the

market at all, and then at prohibitive prices.

This year's gifts include, for instance, the rare botanical writings of the Quaker botanists, William Darlington and Humphry Marshall, from the estate of Dr. William T. Sharpless. Three rare anti-Quaker pamphlets also came our way: one from George R. Allen, of the Class of 1940, a Ph. D. dissertation published in Rostock in 1707 on the philters or "Quaker-Pulver" used by English and Dutch enthusiasts; two from Henry J. Cadbury, of the Class of 1903, when he spoke in Collection in March on his hobby of Quaker book collecting. Professor Cadbury did not limit himself to anti-Quaker gifts, however. From George Fox's personal library he gave Haverford a copy of *Truth Vindicated and the Lyers Refuge Swept Away*, an answer by John Pitman and Jasper Batt (1658) to one Thomas Collier's *A Looking Glass for Quakers* (1657). We still need Collier, but meanwhile another bit of anti-Quakeriana came to us from Carroll Frey, Editor of the Penn Mutual Life Insurance Company: a typewritten copy of a scurrilous attack on Penn, "History of William Penn's Conversion From a Gentleman to a Quaker." Two Quakerly books of special interest were deposited in the Library by members of the Elkington family: the first American edition of William Penn's *The Harmony of Divine and Heavenly Doctrines* (New York, 1822), by Peter W. Elkington of the Class of 1949; and the second edition (London, 1821) of Priscilla Gurney's famous *Hymns*, from Katherine W. Elkinton.

The Gurney family figures largely in our report this year, as it did last. Mary W. Shoemaker has added to her gift of the Opie portraits of Joseph John and Eliza P. Gurney, two daguerreotypes—one of Joseph John and Eliza, together with John Henry Gurney and Anna Gurney Backhouse; the other of Elizabeth Gurney Fry—and a water color portrait of Joseph John Gurney which, like the pastel portraits by Amelia Opie, once belonged to Eliza Gurney herself. We do not know the name of the artist, but circumstantial evidence suggests that he may have been William J. Allinson, the Quaker editor, poet, and artist of Burlington. C. Wilfred Conard also gave us a tiny daguerreotype of Eliza Gurney in a different pose from the other portraits at Haverford. Altogether we received forty-five pictures and photographs during the year.

While our gifts of books declined in numbers, our gifts of Quaker manuscripts rose from 64 a year ago to 821 this year. Helen Sharpless gave manuscripts and books belonging to her father, President Isaac Sharpless, and her uncle, Dr. William T. Sharpless. Friends Historical Association placed a large number of their manuscript treasures here; Mary R. Williams gave us manuscripts of Jesse Kersey on slavery, capital punishment, and other subjects; Peter Elkington gave a deed to "Fairmont," signed by William Penn;

Jonathan M. Steere gave a letter-book of Jonathan Richards relating to work among the Indians, 1871-1873; Wilfred Conard deposited at Haverford the manuscript and printed reports of the "Earnest Workers," a young Friends' philanthropic organization which flourished at Twelfth Street Meeting at the turn of the century; the late John W. Cadbury, Jr., gave us papers of Richard T. Cadbury (1853-1929); Mrs. Edward Woolman transmitted from the Genealogical Society of Pennsylvania 112 letters and other papers of various American Friends; William Bacon Evans contributed 278 manuscripts, a photograph, and fifty-eight books to the Quaker Collection and the Roberts Collection.

We have also received Quaker manuscripts, books, photographs, photo-stats and other items from George Edward Otto, Edward Woolman, Mrs. George C. Wolkins, the late Rufus M. Jones, Friends Historical Library (Swarthmore), Charles E. Hires, Jr., William Smith, Samuel B. Sturgis, the estate of Walter L. Moore, the estate of Anna Braithwaite Thomas, Mary R. Williams, Mrs. Howard G. Taylor, Paul S. Cadbury (Birmingham, England), Harry Harrison, Jacob Andrews Longacre, Mary Ridgway, Don Yoder, Theodore Hetzel, Friends Library (London), the estate of Horace B. Forman, Jr., Susanna Smedley, Fred Lockley, Warder Cadbury, and Mrs. Edward Y. Hartshorne.

Among the four manuscript volumes which have been deposited at Haverford this year was the Oxford University Ph. D. thesis (1935) of Anne Gary Pannell, now of the University of Alabama; her important study of "The Political and Economic Relations of English and American Quakers, 1750-1785" came to us through the good offices of Muriel A. Hicks. A Haverford M. A. thesis in the Philosophy Department last year was written largely from our Quaker Collection: Wilmer A. Cooper, "The Ethical Implications of Quaker Participation in Politics." Francis J. Dallett, Jr., an undergraduate, also presented the College with the manuscript of his original study of Francis Collins, an early New Jersey Friend.

The microfilm reader in the Treasure Room is proving useful to other departments besides the Quaker Collection. We purchased two films of Quaker interest—"Letters of William Dewsbury" from Friends Library in London; and "A Journal of a Trip through Kansas and Canada in 1859 by Eleazer Bales," from the Indiana State Library. William L. Hires, of the Class of 1941, permitted us to make a film copy of a recently discovered volume of recollections (1841-1857) of two Haverford students, Thomas and John Stewardson.

Howard M. Teaf of the Economics Department deposited a film copy of the

Harvard Ph. D. thesis of Stuart Wood. Wood, a member of the Class of 1870, took the first doctorate in Economics in the United States in 1875.

The Charles Roberts Autograph Collection received forty-one additions during the year, including autographs of Theodore Roosevelt and Maxfield Parrish from Helen Sharpless; of Woodrow Wilson, from Mrs. Isaac Sharpless; another Wilson letter from Stanley R. Yarnall, together with autographs of Lord Bryce, Andrew Carnegie, Booker T. Washington and others; a letter from Joseph Pennell, presented by Esther W. Thomas; an original holograph sermon by Albert Schweitzer, from the late Jessie Allen Page through Dean P. Lockwood; and a variety of interesting contemporary letters from William Mintzer Wills. Finally, Christopher Morley gave us something which is hard to classify but will interest lovers of pre-war London—a piece of ruby glass from the old leaded windows of St. Giles Cripplegate. Christopher Morley found this relic of the beautiful church in which Cromwell was married and Milton buried, when on a recent trip to London he visited the rubble heap which is all that was left by the Blitz.

Cooperation with the Friends Historical Library at Swarthmore continues, with joint staff meetings twice a year and frequent exchange of information and duplicate books. Friends Library in London is also generous with duplicates and other aid. Other depositories, such as the Record Department at 304 Arch Street, the Historical Society of Pennsylvania, and, through Henry Cadbury's good offices, Harvard University Library, aid us in our mutual task of preserving and making useful the record of our Quaker past. Through Friends Historical Association and its *Bulletin*, which is edited at Haverford, we work with others to keep alive the memories of the early Friends, to inspire us of this generation, and to preserve the Quaker heritage for Friends of the future.

THOMAS E. DRAKE

*Curator*



# REPORT OF THE MORRIS INFIRMARY

## 1947-1948

The report of house patients is as follows:

	1947-1948	1946-1947
Patients admitted .....	120	92
Total time (days) .....	438	347

Diseases are classified as follows:

Grippe and respiratory .....	68
Intestinal .....	19
Joint conditions .....	2
Miscellaneous .....	31

Total number visits of dispensary patients:

	1947-1948	1946-1947
Medical .....	3329	3073
Surgical .....	1433	1377
	<hr/>	<hr/>
Total	4762	4450

Conditions are classified as follows:

Upper respiratory .....	822
Fractures .....	8
Sutures .....	7
General .....	983

HERBERT W. TAYLOR, M. D.



# PUBLICATIONS AND ACTIVITIES OF THE FACULTY

1947 - 1948

## ALLENDORFER, CARL B.

Articles: "Mathematics for Liberal Arts Students," *Am. Math. Monthly*, 54, No. 10 (December 1947), 573-578.

"Steiner's Formulae on a General  $S^{N+1}$ ," *Bull. Amer. Math. Soc.* 54, No. 2 (February 1948), 128-135.

"Global Theorems in Riemannian Geometry," *Bull. Amer. Math. Soc.* 54, No. 3 (March 1948), 249-259.

"Problem in Baseball Mathematics for Fans," Sports Page, *Evening Bulletin* (Phila.), June 14, 1948.

Associate Editor, *American Mathematical Monthly*.

Abstractor, *Mathematical Reviews*.

Lectures: "Global Theorems in Riemannian Geometry," American Mathematical Society, New York, October 25, 1947.

"Terminal Ballistics," Aberdeen Proving Ground, August 19, 1948.

Vice-president, Mathematical Association of America, 1947-1948.

Professor in Summer Session, New York University, 1948.

Consultant, Bomb Damage Project, Lehigh University.

Treasurer, Main Line Cooperative Association, Bryn Mawr, Pa.

## ASENSIO, MANUEL J.

Lectures: "Un experimentó en la enseñanza del español," International House, Phila., January 1948.

## ASHMEAD, JOHN JR.

Lectures: "The Modern American Novel" and "The Modern European Novel," six lectures, Main Line Adult Education Program, Ardmore, Pa., Spring and Fall Terms, 1948.

## BAER, JOHN E.

Lectures: "The Ultraviolet Absorption Spectra of Aliphatic Sulfides and Polysulfides," Organic Division of the American Chemical Society, Chicago, April 22, 1948.

Chairman, Young Friends Committee, Friends General Conference, Cape May, N. J. 1948.

## BENFEY, O. THEODOR

Articles: "Reaction of Mercuric Nitrate with some Primary and Secondary Alkyl Bromides," *J. Am. Chem. Soc.* 70, No. 6 (June 1948), 2163-2170.

Lectures: "The Reaction of Alkyl Bromides with Mercuric Nitrate," Columbia University Seminar, January 1948.

"Structure and Reactivity in Alkyl Halides," Brooklyn Polytechnic Symposium on Structure and Reactivity, March 1948.

"The Mechanism of Reaction of Alkyl Halides," Journal Club of Chemistry Department, Bryn Mawr College, April 1948.

Address to Philadelphia Young Friends Retreat, Kirkridge, Pa., May 1948.

BENHAM, THOMAS A.

Books: *Manual of Experiments for General Physics* (With R. M. Sutton) Phila.: Stephenson Brothers, 1948, 115 pp.

Articles: "A Single-Control 180-Watt Transmitter," *QST*, 32, No. 3 (March, 1948) 25-30, 132.

"Bessel Functions in Physics: Applications," *Am. Jrnl. of Phys.* 15, No. 6 (Nov.-Dec. 1947) 488-497.

BERNHEIMER, RICHARD M.

Member, Consulting and Advisory Board, Funk and Wagnalls *Standard Encyclopedia*.

Lectures: "Appreciation of Art," (six lectures), Main Line Adult Education Program, Ardmore, March-April, 1948.

"Drawings by B. Castiglione," College Art Association, Cambridge, Mass., January 1948.

BRUNS, FRIEDRICH

Professor of German in the summer session of the University of Pennsylvania.

CADBURY, WILLIAM E., JR.

Books: *Laboratory Manual of Inorganic Chemistry*, (With W. B. Meldrum) Phila.: College Offset Press, 1948, 23 pp.

*Laboratory Manual of Physical Chemistry*. Phila.: College Offset Press, 1948, 61 pp.

Articles: "A General Course in Physical Science at Haverford College," in Earl J. McGrath *Science in General Education* (Dubuque, Iowa, W. Brown Co., 1948), chapter 2, pp. 23-38.

Member of Committee in Charge of Westtown School.

Clerk, Haverford Monthly Meeting.

COMFORT, HOWARD

Articles: "Sovereignty," *Dunkirk* (N. Y.) *Evening Observer*, February 12, 1948.

"Two Necessary Revolutions," *Human Events*, 5, No. 23 (June 9, 1948).

"Imported Western Terra Sigillata," *Antioch-on-the-Orontes*, IV, Pt. 1 (1948) 61-77.

"An Insulting Latin Graffito," *Amer. Journ. Archaeol.*, 52 (1948), 321-2.

Lectures: "Terra Sigillata," Philadelphia Classical Society, May 21, 1948.

Secretary-Treasurer, American Philological Association.

Clerk, Haverford Preparative Meeting of Ministers and Elders.

Vice-President of Alumni Association, American Academy in Rome.

Secretary, Advisory Council of Classical School, American Academy in Rome.

Director, Osborne Association.

COMFORT, WILLIAM W.

Books: *The Quakers: A Brief Account of Their Influence in Pennsylvania*. Gettysburg, Pennsylvania Historical Association, 1948, 57 pp.

Articles: "Rufus M. Jones, 1863-1948," *The Friend* (Phila.), 122, No. 1 (July 1, 1948), 2-3.

Reviews: Moore, *Travelling with Thomas Story: the Life and Travels of an Eighteenth-*

*Century Quaker*, in *Penna. Mag. of Hist. and Biog.*, 72, No. 3 (July, 1948), 285-286.

Hodgkin, *Gulielma: Wife of William Penn*, in *Pennsylvania History*, 15, No. 3 (July, 1948), 231-232.

President, Friends Historical Association.

President, Bible Association of Friends in America.

President, Sleighton Farm School for Girls.

Overseer, William Penn Charter School.

Member of Council, Historical Society of Pennsylvania.

#### de GRAAF, FRANCES

Articles: "Second Year Russian," *Bulletin of the Am. Ass. of Teachers of Slavic and East European Languages*, 6, No. 1 (September, 1948), 18-21.

Lectures: "Second Year Russian," Pennsylvania Chapter of the American Association of Teachers of Slavic and East European Languages, Phila., May 8, 1948.

"Teaching Soviet Literature," American Association of Teachers of Slavic and East European Languages, Portland, Oregon, August 28, 1948.

Councillor of National Board and Vice-President of Pennsylvania Chapter of American Association of Teachers of Slavic and East European Languages.

#### DRAKE, THOMAS E.

Reviews: Moore, *Travelling with Thomas Story: the Life and Travels of an Eighteenth-Century Quaker*, in *The Friend* (Phila.), 121, No. 20 (March 25, 1948), 308-309.

Nichols, *The Disruption of the American Democracy*, in *The General Magazine and Historical Chronicle*, 50, No. 4 (Summer, 1948), v-vi.

Editor, *Bulletin of Friends Historical Association*.

Lectures: "The Middle Atlantic States in National Politics, 1790-1840," Society for American Studies, Phila., April 9, 1948.

Member, Board of Directors, Friends Historical Association.

Member, Board of Directors, Pendle Hill.

Member, Board of Managers, *The Friend* (Phila.).

#### DUNN, EMMETT R.

Articles: "Snakes of the Lerida Farm," (Chiriqui Volcano, Western Panama). *Copeia* 1947, No. 3 (Sept., 1947), 153-157.

"A new species of the Microhylid frog genus *Chiasmocleis* from Panama." (with H. Trapido and H. Evans). *Amer. Mus. Novitates*, No. 1376 (June, 1948), 1-8.

Curator of Reptiles and Amphibians, Academy of Natural Sciences, Philadelphia.

Research Associate, Department of Amphibians and Reptiles, American Museum of Natural History.

#### EVANS, FRANCIS C.

Lectures: "Contradictions of the Insect Head: A Review," Journal Club of the Biology Department, Bryn Mawr College, May 6, 1948.

Lecturer in Biology, Bryn Mawr College, Second Semester, 1947-48.

### FETTER, FRANK WHITSON

Articles: "The United States and World Trade," *Annals of The American Academy of Political and Social Science*, 255 (January, 1948), 166-175.

### FLIGHT, JOHN W.

Reviews: Fosdick, *How to Read the Bible*, in *Jour. Bib. Lit.*, 67, Pt. I (March 1948), 81-2.

Paterson, *The Goodly Fellowship of the Prophets*, in *Crozer Q'tly.*, 25, No. 3 (July, 1948), 271-2.

Digests of articles on archaeology in foreign-language periodicals, in *Amer. Jour. of Archaeol.*, 51, No. 4; 52, No. 1, 2.

Associate Editor, *Journal of Bible and Religion*.

Lectures: Weekly adult group lectures, Bryn Mawr Presbyterian Church.

Methodist Young People's Mid-winter Institute, West Chester, Pa., February 13, 1948.

Preaching Engagements: South Congregational Church, Hartford Connecticut, August 1, 1948.

First Congregational Church, Norfolk, Connecticut, August 22, 1948.

President and Member of Council, Society of Biblical Literature and Exegesis, 1948.

### FOSS, MARTIN

Lectures: "History of the Churches since the Reformation," Quaker Forum, Morrestown, N. J., January 25, 1948.

"Philosophy of the Bible," Huntington Forum, Huntington, Long Island, February 11, 1948.

"Philosophy and Faith," Spring Day, Haverford College, May 8, 1948.

Preaching Engagements: Baptist Church, Bala-Cynwyd, November 30, 1947.

Episcopal service, Bryn Mawr College, December 7, 1947 and May 2, 1948.

### GLENDENING, FRANK S.

Articles: "How Accounting Services Determine Loss for Insurance Purposes," *Journal of Accountancy*, (August 1948), pp 119-122.

Lectures: "Accounting for Your Insured Loss," National Association of Cost Accountants, Columbus, Ohio, February 20, 1948.

Vice President, Pennsylvania Institute of Certified Public Accountants.

### GRAY, J. GLENN

Articles: "Munich University: Class of '50" *Commentary*, 5, No. 5 (May, 1948), 440-448.

### GREEN, LOUIS C.

Articles: "Uniform Convergence and Continuity," *Am. Math. Mon.*, 54 No. 9 (Nov. 1947), 541.

"Maximum Uncertainty as a Simple Example of a Non-distributive Algebra," *Am. Math. Mon.*, 55, No. 6 (June-July, 1948), 363-4.

Recipient of Naval Research contract for research in astrophysics, particularly atomic wave functions.

Referee for astronomical manuscripts for the Macmillan Company.

#### HAWORTH, LESTER C.

Member of the Executive Board of the American Friends Service Committee.

Member of the Quaker House Committee.

#### HENRY, HOWARD K.

Chairman, Woody Plant Pest Control Council of The Pennsylvania Forestry Association.

Vice-President, The Pennsylvania Forestry Association.

#### HERNDON, JOHN G.

Editor, *Winston's Tax Digest*.

Editor, *Business Administration* (1948 edition, 8 vols.)

Editor, *Publications of the Genealogical Society of Pennsylvania*.

Lectures: "The Publication Program of the Genealogical Society of Pennsylvania," American Society of Genealogists, Albany, N. Y., December 13, 1947.

"The Tax Proposals now before Congress," Main Line Business Men's Association, Bryn Mawr, Pa., January 13, 1948.

Director, United Nations Council of Philadelphia.

Director, Genealogical Society of Pennsylvania.

#### HETZEL, THEODORE B.

Member of Board, Philadelphia Section, Society of Automotive Engineers.

Member of Board, Haverford Community Center.

Vice-Chairman, AFSC Work Camp Committee.

Vice-Chairman, Philadelphia Community Chest, Colleges and Universities Group.

#### HOAG, GILBERT T.

Dean, AFSC Foreign Service Seminar, Camden, Maine, Summer 1948.

#### JONES, RUFUS M.

Books: *A Call To What is Vital*. New York: The Macmillan Co., 1948, 143 pp.

*The Shepherd Who Missed The Manger*. Reprint, Phila., Nov. 1948, 28 pp.

Articles: "Memories of Old Oakwood," *Oakwood News*, (Nov. 1947), p. 4.

"Religion and Scientific Knowledge," *Earlhamite*, vol. LXVII. No. 4 (Fall 1947), p. 16.

"The Hands of a Man," *The Friend*, London, vol. 105, 42 (Oct. 1947) pp. 838-9.

"The Great Mystics Speak," *Int. Journal of Rel. Educ.*, vol. 24, No's. 5, 6, 7, (Jan., Feb., Mar., 1948).

"The Boyhood of George Fox," *Am. Friend*, vol. 36, No. 4 (Feb. 1948), pp. 53-4.

"John Woolman and Quietism," *Frds. Intelligencer*, vol. 105, No. 10 (Mar. 6, 1948) pp. 131-2.

"The Date to Commemorate," *Friends Quarterly*, vol. 2, No. 2 (April 1948) pp.



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"The Assurance of Sight," *The Friend, London*, vol. 106, No. 15 (Apr. 9, 1948), pp. 2-3.

"God in Christ," *The Friend, London*, vol. 106, No. 25 (June 18, 1948), pp. 497-8.

"A Call to a New Installment of Heroic Spirit," *Frds. Intelligencer*, vol. 105, No. 20, (July 17, 1948), pp. 407-09, also in *The Friend*, vol. 122, No. 2, (July 15, 1948), pp. 19-22, and in *Am. Friend*, vol. 36, No's. 16, 18 (Aug. 5, Sept. 2, 1948), p. 252, 284-5.

"Religion as a Dynamic," *Frds. Intelligencer*, vol. 105, No. 41, Oct. 9, 1948). Introduction to *Our Threatened Values*, AAm. Ed.) by Victor Gollancz, Henry Regnery Co., Hinsdale, Ill., 1948, pp. 7-8.

"Claim Everything," (Sermon) in *Best Sermons*, 1947-48. Edited by G. Paul Butler, Harper & Bros., pp. 33-7.

Self portrait in *Am. Spiritual Autobiographies*, edited by Louis Finkelstein, Harper & Bros., (N. Y. 1948), pp. 121-30.

Review: Signe Toksvig: *Emanuel Swedenborg, Scientist and Mystic*, in *Annals of the Am. Acad. of Pol. & Soc. Sc.*, vol. 258 (July 1948), p. 172.

Editor, *The Church, the Gospel and War*. Harper & Bros., 1948, Introd. pp. ix-xii.

Speaking Engagements: Norristown Pub. Lib., Norristown, Pa., Oct. 16, 1947.

Dinner for Nobel Prize Award, New York, Dec. 10, 1947.

Lincoln University, Dec. 12, 1947.

Union Theol. Sem., Mar. 10, 1948.

Sermons: Mt. Holyoke College, Oct. 12, 1947.

Wooster College Chapel, Nov. 9, 1947.

Phillips Exeter Acad., Nov. 30, 1947.

Bryn Mawr Presbyterian Church., Jan. 11, 1948.

Buck Hill Falls, Pa., Mar. 14, 1948.

#### JONES, THOMAS O.

Lectures: "Atomic Energy Legislation," League of Women Voters, Ardmore, March 8, 1948.

"Atomic Energy Development and the Future," Cynwyd, Pa., March 14, 1948.

"The Plutonium Story," Mens Forum, Elgin, Illinois, April 21, 1948.

#### KELLY, JOHN A.

Editor, German Literature Division, *National Encyclopedia*, New York, Crowell- Collier Company.

#### LESTER, JOHN A., JR.

Books: *A Guide to the Preparation of Research Papers*. Haverford, Pa.: Haverford College, 1947, 27 pp.

Articles: "Indian Scene," *The Friend*, (Phila.), 121, No. 12 (Dec. 4, 1947), 179-182.

Reviews: E. Merrill Root, *Frank Harris*, in *The Friend*, (Phila.), 121, No. 15 (Jan. 15, 1948), 232-234.

#### LOCKWOOD, DEAN P.

Editorial Work: Section Editor responsible for Renaissance Latin translations in *Mediaeval and Renaissance Latin Translations and Commentaries, Annotated Lists and Guides*.

Lectures: "Classical Literature in the Great Books Program," Training Class for Library Assistants, Free Library of Philadelphia, February, 1948.

#### LUNT, WILLIAM E.

Reviews: Powicke, *King Henry III and the Lord Edward*, in *Speculum*, 43 (1948), 147-50.

Denholm-Young, *Richard of Cornwall*, in *Am. Hist. Rev.*, 53 (1948), 592.

Editorial Advisory Committee; *The American College Dictionary*, New York: Random House, 1947.

#### MACINTOSH, ARCHIBALD

Books: *Behind the Academic Curtain*. New York: Harper & Bros., 1948, 150 pp.

Articles: "The Class of 1951," *Haverford Trends*, No. 5 (November 1947).

Lectures: Commencement address, The Park School, Baltimore, Md., June 7, 1948.

Custodian, College Entrance Examination Board.

Member of Board of Trustees, Episcopal Academy.

Member of Board of Overseers, William Penn Charter School.

#### MELDRUM, WILLIAM B.

Books: *Laboratory Manual in Inorganic Chemistry* (With Wm. E. Cadbury), Phila.: College Offset Press, 1948, 23 pp.

Articles: "Demonstrations Using the FerroxyI Reagent," *Jour. Chem. Educ.*, 25, May 1948, 254-255.

Associate Editor, *Journal of the Franklin Institute*.

Lectures: "The Mechanism of Iron Corrosion," American Chemical Society, New York. September 17, 1947.

"Demonstrations Using the Divided Projection Cell," Northwestern University, Evanston, Ill., May 14, 1948.

Alternate Councilor, American Chemical Society.

Chairman, Student Chemists Committee, Phila. Section, American Chemical Society.

#### OAKLEY, CLETUS O.

Articles: "End-point Maxima and Minima," *Am. Math. Monthly*, 54, No. 7, (Aug.-Sept. 1947).

Chairman, Joint Committee on Publicity, American Mathematical Society Mathematical Association of America, and Institute of Mathematical Statistics.

Editor, Mathematical sections, *Collier's Encyclopedia*.

Professor in the Summer Session, University of Texas, 1947.

#### PEPINSKY, ABE

Articles: "Human Relations: Studies in Communications, Motivation, Team Work, and Leadership," File report, Navy Electronics Laboratory, San Diego, California, August, 1948.

Reviews: McKinney: *Human Adjustment*, Referee for Revision for John Wiley Publ. Co., N. Y., April, 1948.

Referee for articles in *Acoustical Journals* written by members of staff at Navy Electronics Laboratory, San Diego, Cal.

Lectures: "Human Relations": six lectures. Lower Merion High School, 1948.

"Psychology of Music": weekly lectures on musical acoustics, Philadelphia Music Academy.

"Evaluation of an Informal Program of Testing, Guidance, and Counseling at Haverford College," Navy Electronics Laboratory, San Diego, California, July, 1948.

Evaluation of Job Satisfaction and Leadership at Solar Aircraft Company, San Diego, California, Summer, 1948.

Rorschach Protocol Interpretation of Juvenile Delinquents for Big Brother Association, Philadelphia, Pa.

Director of Main Line Community String Ensembles, Bryn Mawr, Pa.

#### PFUND, HARRY W.

Member, Editorial Board, *American-German Review*.

Lectures: "Quaker Relief in Germany;" "Some Aspects of Reconstruction in Germany,"

"Democracy's Stake in German Recovery," on twenty occasions before college, church and civic audiences in Philadelphia area and Pittsburgh, Pa.

Director, Carl Schurz Memorial Foundation.

Director, German Society of Pennsylvania.

Secretary, American Relief for Central Europe, Inc.

#### POST, L. ARNOLD

Reviews: Murray, *Two Plays of Menander*, in *The Classical Weekly*, 41, No. 13 (April 5, 1948), 202-5.

Dunkin, *Post-Aristophanic Comedy: Studies in the Social Outlook of Middle and New Comedy at both Athens and Rome*, in *Classical Philology*, 43, No. 3 (July 1948), 210-11.

Editor, Loeb Classical Library.

Lectures: "Forces in Greek Poetic Fiction from Homer to Menander," University of California in Berkeley, eight lectures, March 9-April 27, 1948.

Lecture 8, Menanders Comedy, was repeated at Stanford University, May 6, 1948, at University of California in Los Angeles, May 14, 1948, and at College of the Pacific, Stockton, Calif., May 20, 1948.

"Feminism in Greek Literature," Classical Association of the Pacific States (Central Section), Berkeley, California, April 17, 1948.

"A World of Contrasts," Phi Beta Kappa Address, Mills College, Oakland, Calif., April 20, 1948.

#### REESE, WILLIAM H.

Lectures: "Vocalization for Chorus" American Guild of Organists, January 1948.

Head of the Music Department, Franklin and Marshall College.

Conductor, Haverford College Glee Club in Philadelphia premiere of Randall Thompson's *The Testament of Freedom* for the Guild of Contemporary Music at the Philadelphia Art Alliance, May, 1948.

#### REID, IRA DE A.

Articles: "Concerning Ethnic Research," *Am. Soc. Rev.*, 13, No. 2 (Apr., 1948), 178-9.

"The South as a Regional Case Study in Human Relations," *Intercultural Education News*, 9, No. 2 (Winter, 1948), 7-8.

"Persons and Places," *Phylon*, No. 3, (September, 1947), 286-291.  
 "Persons and Places," *Phylon*, No. 4, (December, 1947), 359-365.  
 "The Julius Rosenwald Fund," *Phylon*, 9, No. 3 (August, 1948), 195.  
 Reviews: Simey, *Welfare and Planning in the West Indies*, in *Journ. of Econ. His.*, 7, No. 2, (Nov., 1947), 247.  
 Editor, *Phylon*, Atlanta University Review of Race and Culture.  
 Assistant Editor, *American Sociological Review*.  
 Lectures: "The Cost of Discrimination to the United States," Institute for Religious and Social Studies, New York, January 6, 1948.  
 "The Place of Sociology in Teacher-Training Curricula," Education Workshop, Pennsylvania State College, August 2, 1948.  
 Commencement Addresses: LeMoyne College, Memphis, Tenn.; Bluefield State College, Bluefield, W. Va.; Georgia State College Savannah, June, 1948.  
 Member, Federal Advisory Council, United States Employment Service.  
 Director, Survey of the Program of The Penn School (Frogmore, S. C.), 1947-48.  
 Professor, Summer Session, Garrett Biblical Institute, 1948.  
 Section Leader, National Conference on Family Life, Washington, D. C., May 7-8, 1948.  
 Program Director, Ship Orientation Program (Institute for International Education and AFSC), S. S. Marine Tiger, Summer, 1948.

#### SANFORD, FILLMORE H.

Books: *Men and Machines, An Introduction to Systems Research* (With Chapanis, Garner and Morgan). Baltimore, Systems Research Laboratory, John Hopkins University, 1947, 246 pp.  
 Articles: "Speech and Personality," in Pennington and Berg. *An Introduction to Clinical Psychology*, New York, The Ronald Press, 1948, 595 pp.  
 Lectures: "Psychology for Leaders," U. S. Naval Academy, February 1948.  
 "The Dimensions of Groups and their Relation to Leadership," Psychological Colloquium, Johns Hopkins University, May 1948.  
 "Research on Leadership," Washington Chapter, The Society for the Advancement of Management, January 1948.  
 "Is Individualism Dying in America," University of Maryland, May 1948.  
 "An Experimental Approach to Group Leadership," Research Colloquium, Bethesda Naval Hospital, April, 1948.  
 Senior investigator for research under contract between the University of Maryland and the Office of Naval Research.

#### SARGENT, RALPH M.

Articles: "The Shakespeare Folios," *Library Associates, Occasional Publication No. 1* (1948), 22 pp.  
 "The Fall of a Tree," *Nature Magazine*, (October 1948), pp. 426-427.  
 Lectures: "Literary Man and Political Man," Literary Fellowship, Phila., October 10, 1947.  
 "The Flora of the Carolina Blue Ridge," Philadelphia Botanical Club, Academy of Natural Sciences, January 22, 1948.  
 Executive Committee, College Conference on English in the Central Atlantic States, 1947-1948.  
 Trustee, Highlands Museum and Biological Laboratory, Highlands, N. C.  
 Board of Visitors, Union College, Schenectady, N. Y.



### SNYDER, EDWARD D.

Articles: "John Greenleaf Whittier to William J. Allinson, Nineteen Unpublished Letters," *Bulletin of Friends Historical Association*, 37, No. 1 (Spring, 1948), 17-35.

### SOMERS, HERMAN M.

Editorial Adviser, *Dictionary of Modern Economics*, Public Affairs Press, Washington, D. C., 1948.

Lectures: "Coordinating the Federal Executive," Annual Meeting of American Society for Public Administration, Washington, D. C., 1947.

"The Role of the American Liberal in the 1948 Campaign," Americans for Democratic Action, Cambridge, Mass., May 1948.

"Social Security and the American Economy," Radcliffe College, February, 1948.

"Staffing the American Presidency," Swarthmore College, October, 1948.

Consultant, Economics of Motion Picture Industry—Distribution and Exhibition; Miller, Sher, and Oppenheimer, Washington, D. C., 1947-48.

Consultant, Management Division, Office of the Army Comptroller, Washington, D. C., 1948.

Consultant, Public Affairs Press, Washington, D. C., 1947-48.

### STEER, ALFRED G., JR.

Lectures: "A New Aid in International Understanding: The Nurnberg Interpreting System," Lions Club, Delaware County, Pa., April, 1948.

Taught, Temple University Summer Session, 1947.

### STEERE, DOUGLAS V.

Books: Revised edition of translation from the Danish of Kierkegaard's *Purity of Heart*, including preface to revised edition. New York, Harper and Brothers, 1948, 220 pp. *Gebet und Andacht*, translated from the English by Theresa Herzog. Bad Pyrmont, Leonhard Friedrich Verlag, 1948, 82 pp. *Prayer and Worship*, translated into Chinese. Shanghai, Association Press, 1947, 95 pp.

Articles and pamphlets: *Cells for Peace*. Revised edition. New York, Fellowship of Reconciliation Press, 1948, 16 pp.

"Miracle in Frankfurt," *The Friend* (Phila.), 121, No. 10 (Nov. 6, 1947), 147-148.

"Jericho Road Again," *The Friend* (Phila.), 121, No. 16 (Jan. 29, 1948), 251-252.

"A Swedish Quaker Experiment in Reconciliation," *The Friend* (Phila.), 121, No. 22 (April 22, 1948), 345-347.

"Between Capitalism and Communism," *Friends Intelligencer*, 105, No. 26 (June 26, 1948), 366-368.

"Brother Douglas," *Friends Intelligencer*, 105, No. 34 (Aug. 21, 1948), 487.

"Boimendau," *The Seeker* (London), 5, No. 3 (1948), [5-10].

"Letters from Douglas Steere," mimeographed and sent out by AFSC, Philadelphia.

Reviews: Bloy, *Pilgrim of the Absolute*, in *Journal of Religion*, 27, No. 4 (October



1947), 293-4.

Lectures: The Hoyt Lectures for 1947 (four lectures), Union Theological Seminary, New York.

Virginian Diocesan Lecturer for 1948 (five lectures), Richmond, Virginia.

Danforth Foundation Lecturer, 1948 (five lectures), Shelby, Michigan.

Lectures during 1947-48 at Berlin, Bad Pyrmont, University of Marburg, University of Freiburg, Stuttgart, Frankfurt, Munich, Cologne, Coblenz, Ludwigshafen, Lorrach, Copenhagen, Paris, London, Oxford, Selly Oak (Woodbrooke), Edinburgh, Sigtuna, Stockholm.

Chairman of the Board, John Woolman Memorial Association.

Vice-Chairman, Fellowship of Reconciliation.

Member of Board, Pendle Hill.

AFSC Representative in Northern Europe, 1947-48.

#### SUTTON, RICHARD M.

Books: *Manual of Experiments for General Physics* (With T. A. Benham) Phila.: Stephenson Brothers, 1948, 115 pp.

Articles: "Science is a Tool," *The Society Kit* (Presbyterian Board), No. 16 (1948), pp. 1-4.

"Grandfather Was Not So Dumb," *Science Counselor*, 11, No. 1 (March 1948), 7-23.

"Simplicity in Demonstrating Physics," *The Science Teacher*, 15, Nos. 1 and 2 (February and April, 1948), pp. 22-23, 64-65.

"A Scientist Looks at Religion," *Friends Intelligencer*, 105, No. 18 (May 1, 1948), 248-251.

"Free Men" (verse), *The Friend* (Phila.), 121, No. 20 (March 25, 1948), 306.

Reviews: Glathart, *Foley's College Physics*, in *Rev. Sci. Inst.*, 19, No. 5 (May, 1948), 341.

Lectures: "Simplicity in Demonstrating Physics," National Science Teachers Association, Chicago, December 29, 1947.

"Air," William Penn Charter School, February 2, 1948.

"A Scientist Looks at Religion," Young Friends Conference, Lansdowne, Pa., February 7, 1948.

"Atomic Energy, End or Beginning?" World Federalists, University of Pennsylvania, April 17, 1948.

"Atoms," Spring Day, Haverford College, May 8, 1948.

Preaching Engagement, Vespers, Westtown School, May 16, 1948.

Chairman, Westtown School Committee.

Examiner in Physics, College Entrance Examination Board.

Member, Haverford Friends School Committee.

#### SWAN, ALFRED J.

Reviews: Seroff, *The Mighty Five*, in *Notes*, V, No. 3 (June, 1948).

#### TEAF, HOWARD M., JR.

Lectures: Talks on American Friends Service Committee work in Finland: Phila.

Chapter of American Statistical Association, December 5, 1947; AFSC General

Meeting, New York, December 6, 1947; Haverford Friends Meeting, May 6, 1948.

"What Price E. R. P.?" League of Women Voters, Haverford Township, February 18, 1948.

Chairman, Scandinavian Committee, AFSC Foreign Service Section.

Member of Board of Directors, Main Line "School Night" Association.

Member of Labor Panel, American Arbitration Association.

Member of Selection Committee, Pepsi-Cola Graduate Fellowships.

Leader of discussion group, "Current Issues," Friends General Conference, Cape May, N. J., 1948.

#### WATSON, FRANK D.

Articles: "Running Home and Household," (with Amey E. Watson), in Becker and Hill (editors), *Marriage and Parenthood* (Boston, D. C. Heath, 1948), chapter 18, pp. 532-537.

Addresses: "Marriage and the Family," Phila., County Medical Society, Philadelphia, October 27, 1947.

"Problems of Family Adjustment," Atlantic County Medical Society, Atlantic City, N. J., January 10, 1948.

"The Meaning of Emotional Maturity," The Kiwanis Club, Atlantic City, N. J. April 8, 1948.

"On Working and Living Together," Young Married Couples Club, Ventnor, N. J., April 8, 1948.

"Emotional Maturity and Family Life," Y. W. C. A., Pottstown, Pa., May 6, 1948.

#### WENCELIUS, MARTHE C.

Lectures: "L'existentialisme français et son expression littéraire," Cercle Français de Swarthmore College, May 1948.

"French Existentialism," Colby-Swarthmore Summer School, August 1948.

Professor, Colby-Swarthmore Summer School, summer 1948.

#### WYLIE, LAURENCE W.

Reviews: Soupault, *Eugene Labiche*, in *Symposium*, II, No. 1 (May, 1948), 139-142.

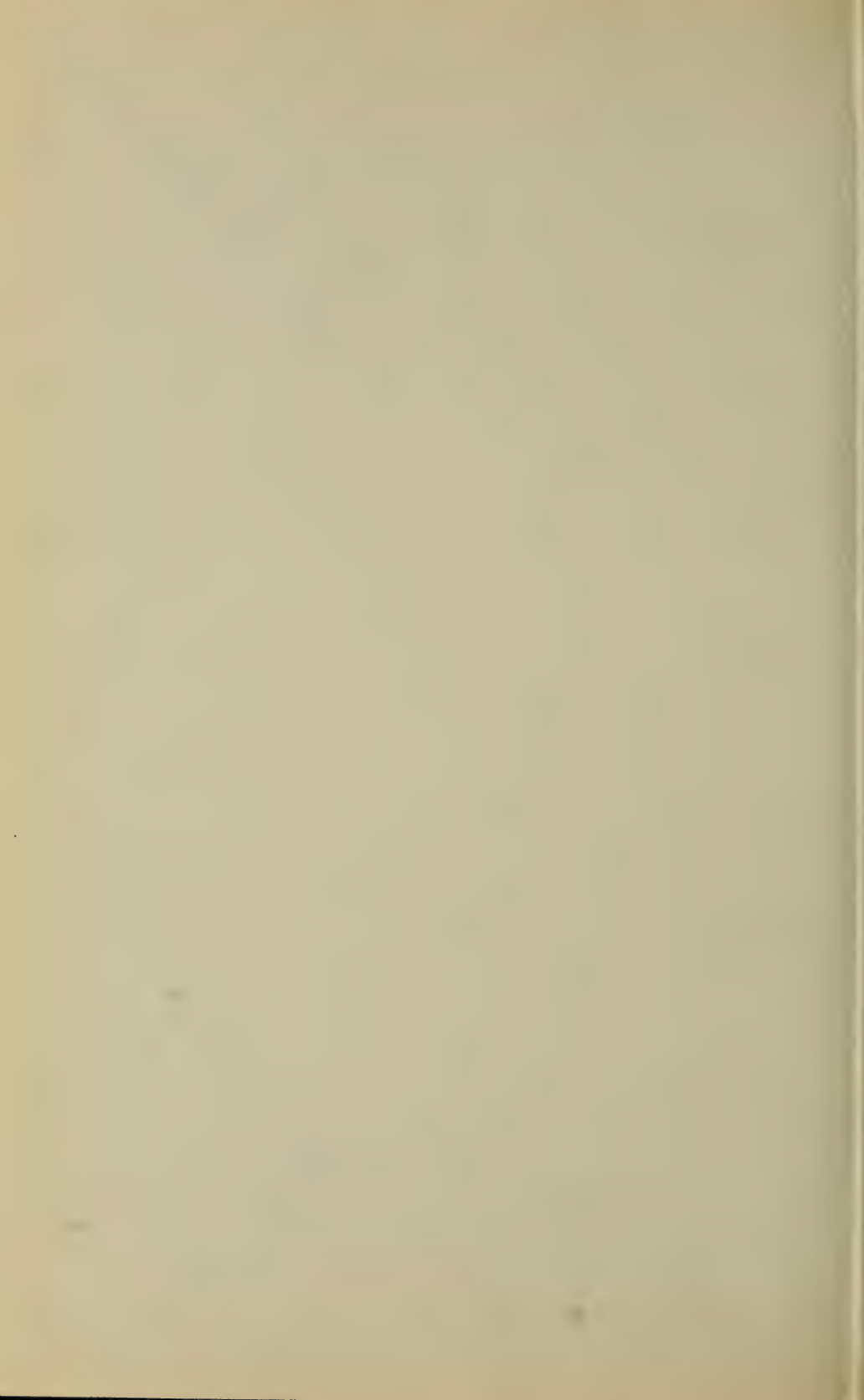
Associate Editor: *Symposium*.

President, Philadelphia Chapter, American Association of Teachers of French.

Chairman, AFSC, Work Camp Committee.









# HAVERFORD COLLEGE BULLETIN



REPORT OF  
TREASURER AND COMPTROLLER  
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DR. FREDERIC C. SHARPLESS.....Rosemont, Pa.  
JOHN A. SILVER.....Tabor Rd. & E. Adams Ave., Phila.20  
WILLIAM B. BELL.....Rockefeller Plaza, New York, N. Y.  
WILMOT R. JONES.....Alapocas Drive, Wilmington, Del.  
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*Alternates: 1948-49: Thomas E. Drake and Cletus O. Oakley*

### *OFFICERS*

#### *Chairman of Board*

S. EMLN STOKES

#### *Secretary of Board*

W. NELSON WEST, III

STANDING COMMITTEES OF THE BOARD OF MANAGERS OF  
THE CORPORATION OF HAVERFORD COLLEGE

*The Chairman of the Board is an  
ex-officio member of all Committees.*

*Executive Committee*

S. EMLÉN STOKES, *Chairman*

MORRIS E. LEEDS

J. HENRY SCATTERGOOD

JOHNATHAN M. STEERE

ALEXANDER C. WOOD, JR.

FREDERIC C. SHARPLESS

JONATHAN E. RHODS<sup>2</sup>

THOMAS W. ELKINTON

W. NELSON WEST, III

EDWARD W. EVANS

PAUL V. R. MILLER<sup>1</sup>

WILMOT R. JONES

JOHN F. GUMMERE

WESLEY M. HEILMAN<sup>2</sup>

*Committee on Finance and Investments*

JONATHAN M. STEERE, *Chairman*

J. HENRY SCATTERGOOD

ALEXANDER C. WOOD, JR.

WILLIAM M. MAIER

CHARLES S. RISTINE<sup>1</sup>

WILLIAM P. PHILIPS<sup>2</sup>

M. ALBERT LINTON

*Committee on College Property and Farm*

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*Committee on Honorary Degrees*

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WILLIAM WISTAR COMFORT

HAROLD EVANS

STANLEY R. YARNALL

M. ALBERT LINTON

MORRIS E. LEEDS<sup>1</sup>

GARRETT S. HOAG<sup>2</sup>

*Library Committee*

ALEXANDER C. WOOD, *Chairman*

WILLIAM WISTAR COMFORT

WILMOT R. JONES

WILLIAM P. PHILIPS<sup>2</sup>

*Counsel*

MACCOY, BRITTAIN, EVANS, AND LEWIS  
1632 Chestnut Street, Philadelphia

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<sup>1</sup>Term Expired: Tenth Month 1948

<sup>2</sup>Term Began: Tenth Month 1948

## OFFICERS OF ADMINISTRATION

---

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*S.B., S.M., and Ph.D. University of Chicago*

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Secretary to the President

ARCHIBALD MACINTOSH  
*A.B., Haverford College; M.A., Columbia University*  
Vice President and Director of Admission

LESTER HAWORTH  
*S.B., Earlham College*  
Vice President

GERTRUDE MANN WONSON  
*B.S., Simmons College*  
Admissions Office

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*Ph.M. and Ph.D., The State University of Iowa*  
Registrar

MRS. FLORENCE B. STULB  
Assistant Registrar

ALDO CASELLI  
*D.S.E. and C., University of Naples*  
Comptroller and Business Manager

DEAN PUTNAM LOCKWOOD  
*A.B., A.M., and Ph.D., Harvard University*  
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Physician in Charge

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*R.N., Lankenau Hospital*  
Resident Nurse

LOUIS CRAIG GREEN  
*A.B., A.M., and Ph.D., Princeton University*  
Director of the Strawbridge Memorial Observatory

SEATON SCHROEDER  
*B.S.C.E., University of Pennsylvania*  
Superintendent

MRS. ETHEL ELIZABETH BEATTY  
Dietician

BENNETT SMEDLEY COOPER  
*B.S., Haverford College*  
Alumni Secretary and Assistant to the President

# THE CORPORATION OF HAVERFORD COLLEGE

## OPERATING STATEMENT

For the Year Ending 8th Month 31, 1948

<i>Receipts at College applying to Budget.....</i>		\$585,566.47
Less Tuition from Scholarship Funds..	\$ 22,165.00	
Less Tuition paid from Donations.....	<u>1,000.00</u>	<u>23,165.00</u>
		562,401.47
<i>Income from Funds, applicable to Budget</i>		
General Funds.....	\$208,937.40	
Scholarship Funds (as above).....	<u>22,165.00</u>	231,102.40
From Estate of Parker S. Williams Before receipt of Bequest.....	2,343.66	
From Trust of W. Percy Simpson Through Provident Trust Company, Trustee.....	2,880.18	
From Trust of Henry C. Brown Through Pennsylvania Company for Banking & Trusts, Trustee.....	<u>2,089.28</u>	7,313.12
<i>Donations applicable to Budget</i>		
For Salary.....	\$ 1,000.00	
For Scholarships (as above).....	1,000.00	
For Care of Cope Field.....	50.00	
For General Purposes.....	<u>41.80</u>	2,091.80
Interest Received.....		<u>1,757.38</u>
Total Receipts.....		\$804,666.17
<i>Expense of Running the College</i>		
as per following statement.....		\$785,241.60
Add Salary covered by Donation (as above).....	<u>1,000.00</u>	
Total Expenses.....		<u>\$786,241.60</u>
Operating Gain for 1947-1948.....		<u>\$ 18,424.57</u>

# THE CORPORATION OF HAVERFORD COLLEGE

## STATEMENT OF DEBT OF THE CORPORATION

8th Month 31, 1948

Debt of the Corporation 9th Month 1, 1947

For Accumulated Deficits.....	\$ 10,898.18	
For Extraordinary Repairs.....	<u>103,455.43</u>	
		\$114,353.61

Increased: -

By Extraordinary Repairs completed		
1945-1947.....	\$103,455.43	
1947-1948.....	<u>21,691.04</u>	\$ 21,691.04
		\$125,146.47

Decreased: -

By Donation for Corporation Debt.....	\$ 500.00		
By Old Checks Outstanding cancelled..	39.66		
By Operating Gain of Year			
Applied to Accrued Deficits			
(now liquidated)....	\$ 10,898.18		
Applied to Extra-			
ordinary Expenses...	<u>7,526.39</u>		
		<u>18,424.57</u>	<u>18,964.23</u>
Net Increase of Debt.....			<u>2,726.81</u>
Debt as of 8th Mo. 31, 1948			
All for Extraordinary Repairs.....			<u>\$117,080.42</u>



# REPORT ON THE FUNDS

## Principal

	Principal			Income		
	Book Value Sept. 1, 1947	Increased	Decreased	Book Value August 31, 1948	Balance Sept. 1, 1947	Net Income Expended Special Balance August 31, 1948
<b>Funds for General Purposes</b>						
General Endowment Fund.....	\$93,753.86			\$93,753.86		\$4,984.14
John Farnum Memorial Fund.....	32,363.83	\$11.36		32,375.19		1,469.94
John M. Whitall Fund.....	10,252.18			10,252.18		545.03
David Scull Fund.....	43,173.04			43,173.04		2,295.16
Edward L. Scull Fund.....	10,950.03			10,950.03		582.13
Wistar Morris Memorial Fund.....	4,956.69			4,956.69		263.51
Israel Franklin Whitall Fund.....	10,388.86			10,388.86		552.29
Jacob P. Jones Endowment Fund.....	1,253,930.25			1,253,930.25		66,661.38
John Farnum Brown Memorial Fund.....	265,841.10			265,841.10		14,132.63
Ellen Waln Fund.....	10,711.80			10,711.80		569.46
Clementine Cope Endowment Fund.....	20,710.06			20,710.06		1,100.99
Nathan Branson Hill Fund.....	5,208.91			5,208.91		105.00
Joseph E. Gillingham Fund.....	40,849.10			40,849.10		2,171.62
Henry Norris Fund.....	5,671.42			5,671.42		301.50
Elizabeth H. Farnum Fund.....	9,160.24			9,160.24		486.98
James R. Magee Fund.....	43,184.70	197.99		43,382.69		2,353.78
Albert K. Smiley Fund.....	1,445.31			1,445.31		76.84
Hinchman Astronomical Fund.....	38,074.84			38,074.84		2,024.13
Wm. D. & E. M. L. Scull Fund.....	168,196.24			168,196.24		8,941.64
Albin Garrett Memorial Fund.....	25,795.00			25,795.00		1,371.31
Arnold Chase Scattergood Fund.....	23,492.69			23,492.69		1,248.92
Francis B. Gummere Memorial Fund.....	120,991.54			120,991.54		6,432.15
Isaac Sharpless Memorial Fund.....	210,754.11			210,754.11		11,204.10
General Education Fund.....	121,480.36			121,480.36		6,458.13
William Penn Foundation.....	98,346.29			98,346.29		5,228.28
Walter Carroll Brinton Memorial Fund.....	13,610.80			13,610.80		723.58
Corporation Fund.....	77,093.02			77,093.02		4,098.42
Elizabeth J. Shortridge Fund.....	9,635.43			9,635.43		512.24
Howard Comfort Memorial Fund.....	4,844.02			4,844.02		257.52
Emma Ridgway Comly Fund.....	48,165.07			48,165.07		2,560.55
Ellen W. Longstreth Fund.....	102,924.57	10,785.65		113,710.22		5,863.04
In Consolidated a/c.....	46.67			46.67		
Mary Pearsall Agency a/c.....	270,528.30			270,528.30		14,381.81
T. Allen Hillis Bequest.....						
Leonard L. Greif, Jr. & Roger L. Greif Fund.....	963.54	2,000.00		2,963.54		122.11
Albert L. Bailly Fund.....	4,817.71			4,817.71		256.12
Elizabeth B. Wistar Warner Fund.....	4,769.54			4,769.54		253.56
Edward M. Wistar Fund.....	2,408.86			2,408.86		128.06
Triangle Society Endowment Fund.....	500.00			500.00		26.58
Morris E. Leeds Fund.....	39,428.52			39,428.52		2,096.10
<i>Forward.....</i>	<i>\$3,249,418.50</i>	<i>\$12,995.00</i>		<i>\$3,262,413.50</i>	<i>\$172,840.73</i>	<i>\$4,650.00</i>

# REPORT ON THE FUNDS (Continued)

	Principal			Income		
	Book Value Sept. 1, 1947	Increased	Decreased	Book Value August 31, 1948	Balance Sept. 1, 1947	Balance August 31, 1948
<i>Forward</i> .....	\$3,249,418.50	\$12,995.00		\$3,262,413.50		
<b>Funds for General Purposes (Continued)</b>						
J. Henry Scattergood Fund.....	1,979.41			1,979.41		
Parker S. Williams Fund.....		103,993.26		103,993.26		
W. Percy Simpson Trust.....						
Clarence W. Bankard Fund.....		4,305.01		4,305.01		
Gilbert C. Fry Fund.....		1,000.00		1,000.00		
Daniel B. Boyer Fund.....		2,500.00		2,500.00		
Marv K. Conly Fund.....		35,000.00		35,000.00		
Henry C. Brown Fund.....						
	3,251,397.91			3,411,191.18		
<b>Fund for T. Wistar Brown Graduate School</b>						
Moses Brown Fund.....	347,869.96	1,849.34		349,719.30		
<b>Funds for Morris Infirmary</b>						
Infirmary Endowment Fund.....	9,301.50			9,301.50		
John W. Pinkham Fund.....	4,875.05			4,875.05		
	14,176.55			14,176.55		
<b>Fund for Haverford Union</b>						
Haverford Union Fund.....	1,810.33			1,810.33		
<b>Funds for Scholarships</b>						
Thomas P. Cope Fund.....	5,066.13			5,066.13		
Edward Yarnall Fund.....	5,847.96			5,847.96		
Isaiah V. Williamson Fund.....	19,094.90			19,094.90		
Richard T. Jones Scholarship Fund.....	4,871.92			4,871.92		
Mary M. Johnson Scholarship Fund.....	6,757.92			6,757.92		
Sarah Marshall Scholarship Fund.....	7,631.02			7,631.02		
<i>Forward</i> .....	\$49,269.85	\$161,642.61		\$49,269.85	\$1,032.92	\$208,210.93
					\$194,370.06	\$13,845.99
						\$1,017.80

# REPORT ON THE FUNDS (Continued)

	Principal			Income			
	Book Value Sept. 1, 1947	Increased	Decreased	Book Value August 31, 1948	Net Income	Expended	Special
<i>Forward</i> .....	\$49,269.85	\$161,642.61		\$49,269.85	\$208,200.93	\$194,370.06	\$13,845.99
<b>Funds for Scholarships (Continued)</b>							
Clementine Cope Fellowship Fund.....	22,012.96			22,012.96	1,170.25		1,750.001
Isaac Thorne Johnson Scholarship Fund..	8,413.18	41.53		8,454.71	447.26		400.001
Caspar Wistar Memorial Fund.....	2,843.61			2,843.61	67.33		5.733
J. Kennedy Moorehouse Scholarship Fund.	4,967.88			4,967.88	151.17		41.532
Louis Jaquette Palmer Scholarship Fund.	4,817.71			4,817.71	264.10		150.001
Paul W. Newhall Memorial Scholarship Fund	4,861.65			4,861.65	256.12		5.733
Robert Martin Zuckert Memorial Scholarship Fund.....	18,813.65	2,000.00		20,813.65	258.45		250.001
Samuel E. Hilles Scholarship Fund.....	4,834.39			4,834.39	1,071.05		1,000.001
Class of 1913 Scholarship Fund.....	2,890.62			2,890.62	257.01		11.483
Class of 1917 Scholarship Fund.....	4,749.85	985.00		5,734.85	153.67		11.483
Daniel B. Smith Fund.....	5,000.00			5,000.00	282.33		200.001
Sarah Tatum Hilles Memorial Scholarship Fund.....	75,534.58			75,534.58	265.81		300.001
Elihu Grant Memorial Scholarship Fund..	15,078.73			15,078.73	4,015.57		11.463
Christian Feibiger Scholarship Fund....	8,000.00			8,000.00	886.72		500.001
Joseph C. & Anne N. Birdsall Scholar- ship Fund.....	10,000.00	5,000.00		15,000.00	425.30		700.001
Joseph L. Markley Memorial Scholarship Fund.....	5,000.00			5,000.00	708.83		500.001
Daniel E. Davis, Jr. Memorial Scholar- ship Fund.....		3,000.00		3,000.00	265.81		300.001
	247,088.66			258,115.19	87.94		87.94
Augustus Taber Murray Research Scholar- ship Fund.....	22,411.37	48.75		22,460.12	1,159.32		980.004
<i>Forward</i> .....	\$172,717.89			\$9,010.27	\$220,327.64	\$194,370.06	\$26,749.27
							\$8,218.58

# REPORT ON THE FUNDS (Continued)

	Principal			Income					
	Book Value Sept. 1, 1947	Increased	Decreased	Book Value August 31, 1948	Balance Sept. 1, 1947	Net Income	Expended	Special	Balance August 31, 1948
<i>Forward.....</i>		\$172,717.89			\$9,010.27	\$220,327.64	\$194,370.06	\$26,749.27	\$8,218.58
<i>Funds for the Library</i>									
Alumni Library Fund.....	16,799.42			16,799.42		893.09	893.09		
Mary Farnum Brown Library Fund.....	65,388.57	21.94		65,410.51		3,476.18		137.02 <sup>5</sup>	
William H. Jenks Library Fund.....	4,817.71			4,817.71	39.54	256.12		3,317.22 <sup>6</sup>	
Mary Wistar Brown Williams Library Fund	19,566.40			19,566.40	1,595.10	1,062.19		21.94 <sup>2</sup>	
Anna Varnall Fund.....								222.78 <sup>6</sup>	72.88
In Consolidated a/c.....	166,842.34			166,842.34				1,111.60 <sup>6</sup>	1,545.69
Agency a/c.....						8,869.67	7,432.15	1,437.52 <sup>6</sup>	
F. B. Gamere Library Fund.....	612.30			612.30	12.31	32.55		27.49 <sup>6</sup>	17.37
Edmund Morris Ferguson, Jr. Memorial Fund	965.80			965.80	11.16	51.34		44.67 <sup>6</sup>	17.83
Class of 1888 Library Fund.....	6,341.02			6,341.02	56.87	337.10		326.49 <sup>6</sup>	67.48
Class of 1918 Library Fund.....	1,207.83			1,207.83	13.57	64.21		67.32 <sup>6</sup>	10.46
Quakeriana Fund.....	600.00			600.00	20.30	31.90			52.20
	283,141.39			283,163.33					
<i>Funds for Old Style Pensions</i>									
President Sharpless Fund.....	39,733.67			39,733.67		2,112.32	2,112.32		
William P. Henszey Fund.....	35,418.53			35,418.53		1,882.92	1,882.92		
Jacob P. Jones Benefit Fund.....	65,630.50			65,630.50		3,489.05	3,489.05		
Pliny Earle Chase Memorial Fund.....	3,152.93			3,152.93		167.62	167.62		
Haverford College Pension Fund.....	107,955.98			107,955.98		5,739.15	5,739.15		
	251,891.61			251,891.61					
<i>Funds for Special Purposes</i>									
Thomas Shipley Fund.....	5,056.68			5,056.68	179.37	268.82		273.90 <sup>5</sup>	174.29
Elliston P. Morris Fund.....	1,085.68			1,085.68	127.91	57.72		32.54 <sup>6</sup>	147.35
John B. Garrett Reading Prize Fund.....	2,189.40			2,189.40	683.39	116.39		50.00 <sup>10</sup>	744.04
Special Endowment Fund.....	8,890.67			8,890.67	1,626.16	521.65		200.00 <sup>7</sup>	
								25.00 <sup>8</sup>	1,314.37
								185.18 <sup>6</sup>	
								423.26 <sup>9</sup>	
<i>Forward.....</i>	\$17,222.43	\$172,739.83		\$17,222.43	\$13,375.95	\$249,235.98	\$216,086.36	\$34,664.68	\$12,382.54

# REPORT ON THE FUNDS (Continued)

	Principal			Income				
	Book Value Sept. 1, 1947	Increased	Decreased	Book Value August 31, 1948	Net Income	Expended	Special	Balance August 31, 1948
<i>Forward.....</i>	\$17,222.43	\$172,739.83		\$17,222.43	\$249,235.98	\$216,086.36	\$34,664.68	\$12,382.54
<u>Funds for Special Purposes (Continued)</u>								
Scholarship Improvement Prize Fund.....	2,213.14			2,213.14	117.65		11.48 <sup>3</sup>	153.19
Elizabeth P. Smith Fund.....	1,680.48			1,680.48	89.34		95.00 <sup>10</sup>	556.34
S. P. Lippincott History Prize Fund....	2,454.02			2,454.02	130.46		5.74 <sup>3</sup>	397.07
Francis Stokes Fund.....	4,933.63			4,933.63	262.27		116.20 <sup>6</sup>	1,461.13
George Peirce Prize Fund.....	2,494.18	76.86		2,571.04	132.60		5.74 <sup>3</sup>	
Lyman Beecher Hall Prize Fund.....	2,076.43			2,076.43	110.39		50.00 <sup>10</sup>	408.84
Newton Prize Fund.....	1,346.79			1,346.79	71.60		5.74 <sup>3</sup>	72.76
Edward B. Conklin Athletic Fund.....	2,312.51			2,312.51	122.94		32.96 <sup>6</sup>	
Arboretum Fund.....	4,420.49			4,420.49	235.00		50.00 <sup>10</sup>	1,286.44
William Ellis Scull Prize Fund.....	1,927.09			1,927.09	102.45		50.00 <sup>10</sup>	
Paul D. I. Maier Fund.....	963.54			963.54	51.22		5.73 <sup>3</sup>	368.59
Strawbridge Observatory Maintenance Fund	3,699.55			3,699.55	304.68		10.00 <sup>10</sup>	220.29
Jacob & Eugenie Bucky Memorial Foundation	3,503.67	701.77		4,205.44	201.77		201.77 <sup>2</sup>	
Mathematics Department Prize Fund.....	1,148.60	21.59		1,170.19	61.06		21.59 <sup>2</sup>	
William T. Elkinton Fund.....	2,491.50			2,491.50	132.45		28.00 <sup>10</sup>	189.31
Tilney Memorial Fund.....	5,000.00			5,000.00	265.80		11.47 <sup>3</sup>	743.04
Class of 1902 Latin Prize Fund.....	142.90			142.90	7.60		10.00 <sup>10</sup>	29.24
Class of 1898 Gift.....		6,100.00		6,100.00	54.05		5.74 <sup>3</sup>	54.05
Edmund J. Lee Memorial Award Fund.....		906.50		906.50				
	<u>\$60,030.95</u>			<u>\$67,837.67</u>				
	\$4,479,818.73	\$180,546.55		\$4,660,365.28	\$252,210.96	\$216,608.83	\$35,614.43	\$18,322.83

- 1 Scholarships
- 2 Income Transferred to Principal
- 3 Printing
- 4 Annuity
- 5 Lecture
- 6 Books
- 7 Religious Educational Committee
- 8 Friends Council on Education
- 9 Friends Institute
- 10 Prizes



# SUMMARY OF THE FUNDS

	Book Value September 1, 1947	Increased	Decreased	Book Value September 1, 1948
Funds for General Purposes.....	\$3,251,397.91	\$159,793.27		\$3,411,191.18
Fund for T. Wistar Brown Graduate School.....	347,869.96	1,849.34		349,719.30
Funds for Morris Infirmary.....	14,176.55			14,176.55
Fund for Haverford Union.....	1,810.33			1,810.33
Funds for Scholarships.....	269,500.03	11,075.28		280,575.31
Funds for Library.....	283,141.39	21.94		283,163.33
Funds for Old Style Pensions.....	251,891.61			251,891.61
Funds for Special Purposes.....	60,030.95	7,806.72		67,837.67
	\$4,479,818.73			\$4,660,365.28
Plus undistributed gain in Consolidated Investments Account.....	104,021.64			109,226.99
	\$4,583,840.37	\$180,546.55		\$4,769,592.27

## SUMMARY AS TO CONSOLIDATED AND NON-CONSOLIDATED ACCOUNTS

Consolidated Account.....	\$4,523,809.59	\$194,311.63	\$8,619.84	\$4,709,501.38
Non-Consolidated Accounts:				
John Farnum Memorial Fund.....	32,363.83	11.36		32,375.19
Nathan Branson Hill Fund				
(In care of First National Bank & Trust Co., Minneapolis, Minnesota)	5,208.91			5,208.91
Ellen W. Longstreth Fund - Mary Pearsall et al Agency Account.....	46.67			46.67
Augustus Taber Murray Research Scholarship Fund.....	22,411.37	48.75		22,460.12
	\$4,583,840.37	\$194,371.74	\$8,619.84	\$4,769,592.27

The Book Value Increased \$185,751.90 as follows:

Donations for Additions to Funds.....	\$178,273.41
Income Transferred to Principal.....	2,213.03
Gain on Securities Called.....	937.50
Gain on Securities Sold.....	12,614.82
Gain on Securities Matured.....	162.50
Gain on Securities Liquidated.....	170.48

LESS:

Loss on Securities Sold.....	\$ 358.70
Loss on Real Estate Sold.....	8,619.84
	\$185,751.90

# CLASSIFICATION OF INVESTMENTS

8th Month 31, 1948

Consolidated Account	Non-Consolidated Account	Total	%	Market Value	%
<u>BONDS</u>					
Government - U.S....	\$ 218,500.00	\$ 223,700.00		\$ 226,337.50	
Industrial.....	24,562.50	24,562.50		22,500.00	
Public Utility....	154,102.32	163,620.02		154,508.50	
Railroad.....	578,023.14	604,023.53		602,541.25	
Miscellaneous.....	10,479.00	10,479.00		30,185.00	
	\$ 985,667.16	\$ 40,717.89	\$ 1,026,385.05		\$ 1,036,072.25
			21.54		21.69
<u>PREFERRED STOCK</u>					
Industrial.....	\$ 250,553.97	\$ 250,553.97		\$ 241,312.50	
Public Utility....	317,576.26	317,576.26		305,732.00	
Railroad.....	116,343.60	116,343.60		122,600.00	
	684,473.83		684,473.83		669,644.50
			14.37		14.02
<u>COMMON STOCK</u>					
Bank & Insurance..	\$ 507,494.19	\$ 507,494.19		\$ 462,949.05	
Industrial.....	1,009,436.18	1,009,611.18		1,148,238.13	
Public Utility....	567,075.60	576,737.13		522,628.75	
Railroad.....	175,131.87	180,922.02		132,143.01	
Miscellaneous.....	8,531.98	8,531.98		28,811.00	
	2,267,669.82	15,626.68	2,283,296.50		2,294,769.94
		2,121.67	297,142.90		297,142.90
			6.25		6.22
<u>MORTGAGES</u>					
MISCELLANEOUS (Including Campus Houses \$271,294.67).....	319,032.74		319,032.74		319,032.74
			6.71		6.68
<u>CASH - due to Funds from Corporation (@ 4% Interest)....</u>					
	157,636.60	1,624.65	159,261.25		159,261.25
			3.32		3.34
	\$ 4,709,501.38	\$ 60,090.89	\$ 4,769,592.27		\$ 4,775,923.58
			100.00		100.00

NOTE: There are \$66,177.50 Public Utility Stocks not included in above figures being holdings in C. Wharton Stork Art Gift Fund which is not included in the Funds. This Fund also has an overdraft in Principal cash of \$42,977.50.

## INCOME RETURN

The net income return (\$244,633.73) after allowing commission to our fiscal agent was 5.13% on book value at the end of the year.

SUMMARY OF THE ACCOUNTS OF  
THE CORPORATION OF HAVERFORD COLLEGE  
J. HENRY SCATTERGOOD, TREASURER  
ALDO CASELLI, COMPTROLLER

For the Year Ending Eighth Month 31, 1948

RECEIPTS

*Income from Funds for General Purposes*

General Endowment Fund.....	\$ 4,984.14
John Farnum Memorial Fund.....	1,469.94
John M. Whitehall Fund.....	545.03
David Scull Fund.....	2,295.16
Edward L. Scull Fund.....	582.13
Wistar Morris Memorial Fund.....	263.51
Israel Franklin Whitall Fund.....	552.29
Jacob P. Jones Endowment Fund.....	66,661.38
John Farnum Brown Fund.....	14,132.63
Ellen Waln Fund.....	569.46
Clementine Cope Endowment Fund.....	1,100.99
Nathan Branson Hill Fund.....	105.00
Joseph E. Gillingham Fund.....	2,171.62
Henry Norris Fund.....	301.50
Elizabeth H. Farnum Fund.....	486.98
James R. Magee Fund.....	2,353.78
Albert K. Smiley Fund.....	76.84
Hinchman Astronomical Fund.....	2,024.13
W. D. and E. M. L. Scull Fund.....	8,941.64
Albin Garrett Memorial Fund.....	1,371.31
Arnold Chase Scattergood Memorial Fund.....	1,248.92
Francis B. Gummere Memorial Fund.....	6,432.15
Isaac Sharpless Memorial Fund.....	11,204.10
General Education Board Fund.....	6,458.13
William Penn Foundation.....	5,228.28
Walter Carrol Brinton Memorial Fund.....	723.58
Corporation Fund.....	4,098.42
Elizabeth J. Shortridge Fund.....	512.24
Howard Comfort Memorial Fund.....	257.52
Emma Ridgway Comly Fund.....	2,560.55
Ellen W. Longstreth Fund.....	5,863.04
Albert L. Bailey Fund.....	256.12
Elizabeth B. Wistar Warner Fund.....	253.56
T. Allen Hilles Bequest.....	14,381.81
Leonard L. Greif and Roger L. Greif Fund.....	122.11
Edward M. Wistar Fund.....	128.06
Triangle Society Endowment Fund.....	26.58
Morris E. Leeds Fund.....	2,096.10
J. Henry Scattergood Fund.....	105.23
Parker S. Williams Fund.....	5,067.78

*Forward.....*

**\$178,013.74**

Forward..... \$178,013.74

*Income from Funds for General Purposes (Continued)*

Clarence W. Bankard Fund.....	\$ 487.74	
Gilbert C. Fry Fund.....	22.15	
Daniel B. Boyer Fund.....	91.45	
Mary K. Comly Fund.....	<u>310.11</u>	911.45

*Income from Fund for T. Wistar Brown  
Graduate School*

Moses Brown Fund.....		18,493.44
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*Income from Funds for Morris Infirmary*

Infirmary Endowment Fund.....	\$ 494.49	
John W. Pinkham Fund.....	<u>259.17</u>	753.66

*Income from Fund for Haverford Union*

Haverford Union Fund.....		96.24
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*Income from Funds for Scholarships*

Thomas P. Cope Fund.....	\$ 269.33	
Edward Yarnall Fund.....	310.89	
Isaiah V. Williamson Fund.....	1,015.12	
Richard T. Jones Scholarship Fund.....	259.00	
Mary M. Johnson Scholarship Fund.....	359.26	
Sarah Marshall Scholarship Fund.....	405.68	
Clementine Cope Fellowship Fund.....	1,170.25	
Isaac Thorne Johnson Scholarship Fund.....	447.26	
Caspar Wistar Memorial Fund.....	151.17	
J. Kennedy Moorhouse Scholarship Fund.....	264.10	
Louis Jacquette Palmer Scholarship Fund.....	256.12	
Paul W. Newhall Memorial Scholarship Fund.....	258.45	
Robert Martin Zuckart Memorial Scholarship Fund...	1,071.05	
Samuel E. Hilles Scholarship Fund.....	257.01	
Class of 1913 Scholarship Fund.....	153.67	
Class of 1917 Scholarship Fund.....	282.33	
Daniel B. Smith Fund.....	265.81	
Sarah Tatum Hilles Memorial Scholarship Fund.....	4,015.57	
Elihu Grant Memorial Scholarship Fund.....	801.61	
Christian Febiger Scholarship Fund.....	425.30	
Joseph L. Markley Memorial Scholarship Fund.....	265.81	
Jos. C. and Anne N. Birdsall Scholarship Fund.....	708.83	
Daniel E. Davis Jr., Memorial Scholarship Fund....	<u>87.94</u>	13,501.56

*Income from Funds for Library*

Alumni Library Fund.....	\$ 893.09	
Mary Farnum Brown Library Fund.....	3,476.18	
William H. Jenks Library Fund.....	256.12	
Mary Wistar Brown Williams Library Fund.....	1,040.19	
Anna Yarnall Fund.....	8,869.67	
F. B. Gummere Library Fund.....	32.55	
Edmund Morris Fergusson Memorial Fund.....	51.34	
Class of 1888 Library Fund.....	337.10	
Class of 1918 Library Fund.....	64.21	
Quakeriana Fund.....	<u>31.90</u>	15,052.35

Forward..... \$226,822.44

Forward..... \$226,822.44

*Income from Funds for Old Style Pensions*

President Sharpless Fund.....	\$ 2,112.32	
William P. Henszey Fund.....	1,882.92	
Jacob P. Jones Benefit Fund.....	3,489.05	
Pliny Earle Chase Memorial Fund.....	167.62	
Haverford College Pension Plan.....	<u>5,739.15</u>	13,391.06

*Income from Funds for Special Purposes*

Thomas Shipley Fund.....	\$268.82	
Elliston P. Morris Fund.....	57.72	
John B. Garrett Reading Prize Fund.....	116.39	
Special Endowment Fund.....	472.65	
Scholarship Improvement Prize Fund.....	117.65	
Elizabeth P. Smith Fund.....	89.34	
S. P. Lippincott History Prize Fund.....	130.46	
Francis Stokes Fund.....	262.27	
George Peirce Prize Fund.....	132.60	
Lyman Beecher Hall Prize Fund.....	110.39	
Newton Prize Fund.....	71.60	
Edward B. Conklin Athletic Fund.....	122.94	
Arboretum Fund.....	235.00	
William Ellis Scull Prize Fund.....	102.45	
Paul D. I. Maier Fund.....	51.22	
Strawbridge Observatory Maintenance Fund.....	196.68	
Jacob & Eugenie Bucky Memorial Foundation.....	201.77	
Mathematics Department Prize Fund.....	61.06	
William T. Elkinton Fund.....	132.45	
Tilney Memorial Fund.....	265.80	
Class of 1902 Latin Prize Fund.....	7.60	
Class of 1898 Gift.....	<u>54.05</u>	3,260.91

Income from the Funds for the College..... \$ 243,474.41

*Income from Special Trust*

Augustus Taber Murray Research Scholarship Fund.....	<u>1,159.32</u>
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Total Income from all the Funds..... \$244,633.73

*Income from Fund (Prior to Receipt of Principal)*

Parker S. Williams Fund.....	\$ 2,343.66
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*Income from Funds held in Trust*

W. Percy Simpson Fund, Provident Trust Company, Trustee.....	2,880.18	
Henry C. Brown Fund, Pennsylvania Company, Trustee.....	<u>2,089.28</u>	<u>7,313.12</u>

Forward..... \$251,946.85



Forward..... \$251,946.85

*Income from College Sources*

Tuition (Students at opening date 546  
at closing date 525)

Cash.....	\$296,184.03	
From Scholarship Funds.....	22,165.00	
From Donations.....	<u>3,175.00</u>	\$321,524.03

Board.....		149,553.13
Rooms.....		62,745.63
Re-examination fees.....		<u>440.00</u>

Room and Board from Non-Students:

Rents.....	\$ 3,667.50	
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Rooms:

Guests, Alumni and Faculty Members.....	\$ 729.15	
Employees.....	1,908.59	
Summer Conferences...	<u>2,080.87</u>	4,718.61

Meals:

Guests and Faculty...	\$7,161.07	
Employees.....	7,827.02	
Summer Conferences...	10,118.08	
Day Students.....	<u>2,876.85</u>	<u>27,983.02</u> 36,369.13

Miscellaneous Collections:

Fees and Fines.....	\$ 343.00	
Book Store.....	1,589.65	
Diplomas.....	205.00	
Infirmary.....	261.22	
Use of Trucks.....	14.48	
Sale of Material.....	724.45	
Use of Land.....	783.56	
Admission to Athletic Games.....	1,710.20	
Sundry Minor Collections.....	1,674.16	
Overhead expenses in connection with work done for outsiders...	409.93	
Unit Fee.....	<u>7,218.90</u>	<u>14,934.55</u>

Receipts at College.....	585,566.47
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*Donations Other than for Funds*

Athletics

For New Scoreboard - from class of 1947.....	\$ 225.00	
Toward New Sweaters - Anonymous....	250.00	
For Field House through A. Haddleton.....	8.00	
For New Football Field Stands - Triangle Society.....	2,300.00	
From Games' Receipts.....	<u>954.80</u>	3,737.80

Forward.....	\$3,737.80	\$837,513.32
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Forward..... \$3,737.80 \$837,513.32

*Donations Other than for Funds (Continued)*

For Books -		
Refund Carnegie.....	\$ 31.00	
Library Associates.....	593.75	
Minor Library Donations.....	58.33	
Matzke Royalties.....	40.28	
Quaker Books from H. Vogt.....	<u>1,000.00</u>	1,723.36
For Alumni Association Prize in Oratory.....		50.00
For Scholarships: -		
Corporation Scholarships		
relinquished.....	\$1,500.00	
For Loan to Students - Maryland		
Society of Haverford.....	600.00	
From Max Leuchter.....	100.00	
From Oberland Trust for Fellowship.	2,500.00	
For Quaker children from Estate of		
Ida Bell.....	1,929.10	
From Richard A. Ricks.....	<u>200.00</u>	6,829.10
From Alumni Association for Salaries.....		3,590.00
From Campus Club.....		185.00
For Chemistry Laboratory Equipment - Anonymous....		100.00
For Care of Cope Field through A. G. Scattergood..		50.00
For Debt of Corporation.....		500.00
For Cost of Special Report from C. A. Pratt.....		10.00
For George Fox's Portrait from		
George and Mary Vaux.....		60.00
For Landscaping from Dr. Sutton.....		125.00
For Camp House - Anonymous.....		10,000.00
For Radio Club - Interest Added.....		66.68
For Work Camp - Projects from Carnegie		
Corporation of New York.....		7,000.00
For Special Equipment bought from Government.....		780.32
For Transfer unused appropriation from		
Morris E. Leeds' Gift.....		21.53
For Faculty Salary.....		1,000.00
For General Purposes from Hoag Trust	\$ 41.80	
For General Purposes from		
Professor Oakley.....	<u>150.00</u>	191.80
For Paving Meeting House Lane -		
Anonymous.....		1,103.00
Class of 1928 Gift for Improvements in Gymnasium..		1,398.50
Class of 1934.....		288.00
Class of 1945 for Common Room.....		<u>163.25</u>
		38,973.34
Alumni Sustaining Fund.....		24,126.35
*Human Relations Gift - Anonymous, from proceeds of		
stock sold and dividends.....		<u>7,588.17</u>
Total Donations (Other than for Funds).....		<u>70,687.86</u>
Forward.....		\$ 908,201.18

\*In addition, a further gift of stock, not yet sold, was made anonymously by the same donor.

Forward..... \$908,201.18

*Donations for Additions to Funds \**

James R. Magee Fund - from Executors.	\$ 197.99	
Ellen W. Longstreth Fund - from		
Trustee.....	10,785.65	
Leonard L. & Roger L. Greif Fund.....	2,000.00	
Parker S. Williams Fund (New).....	103,993.26	
Clarence W. Bankard Fund (New).....	4,305.01	
Gilbert C. Fry Fund (New).....	1,000.00	
Daniel B. Boyer Fund (New).....	2,500.00	
Mary K. Comly Fund (New).....	35,000.00	
Robert Martin Zuckert Memorial		
Scholarship Fund.....	2,000.00	
Class of 1917 Scholarship Fund.....	985.00	
Joseph C. and Anne N. Birdsall Fund..	5,000.00	
Daniel E. Davis Jr., Memorial		
Scholarship Fund (New).....	3,000.00	
Jacob & Eugenie Bucky Memorial		
Foundation.....	500.00	
Class of 1898 Gift (New).....	6,100.00	
Edmund J. Lee Memorial Award Fund		
(New) - from Class of 1943.....	906.50	\$178,273.41

*Additions to Funds - Income Transferred To Principal*

Moses Brown Fund.....	\$1,849.34		
Isaac Thorne Johnson Scholarship Fund	41.53		
Mary Farnum Brown Library Fund.....	21.94		
George Peirce Prize Fund.....	76.86		
Jacob & Eugenie Bucky Memorial			
Foundation.....	201.77		
Mathematics Department Prize Fund....	21.59	2,213.03	180,486.44

*Reserve for Non-Faculty  
(Newly set up from Operating Expenses this year)*

For Pensions.....	\$5,000.00		
Interest added.....	194.44	\$5,194.44	
For Death Benefits.....		1,000.00	6,194.44

*Miscellaneous Receipts*

Sale of Books Supplementing income Elihu Grant			
Fund.....	\$ 85.11		
Return of Government Deposits - M. W. B. Williams			
Fund Income.....	22.00		
Registration Fees Family Institute Supplementing			
Income Special Endowment Fund.....	49.00		
Fees from Students Supplementing Income			
Strawbridge Observatory Fund.....	108.00		
Forward.....	264.11	\$1,094,882.06	

\*In addition to above - information has been received that u/w of Henry C. Brown, ex.'66, a residuary bequest had been made to Pennsylvania Co. for Banking & Trusts as Trustee for Haverford College, with certain conditions as to use of principal. This bequest became effective upon the death of his sister, February 5, 1948. Amount of Trust is estimated at \$180,000., after taxes. Further report will be made in 1948 - 1949.

Forward.....	\$264.11	\$1,094,882.06
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#### Miscellaneous Receipts (Continued)

Write off Shortage of Donations for War Memorial..	190.00	
Library Replacement Account - Fees Collected.....	1,358.85	
Skating Pond Receipts.....	669.00	
Taxes Withheld - Salaries.....	43,849.79	
Taxes Withheld - Pensions.....	2,026.20	
Advances - Receipts on Account Old Bill.....	117.50	
Advances - Reserve on same Written off.....	42.50	
In and Out Account - Receipts.....	9.40	
Work in Progress - Collections.....	6,007.89	
Store Account - Receipts.....	7,871.65	
Students Store Account (old) Receipts.....	11,514.83	
Loans Repaid.....	1,221.00	
Student Affairs for Common Room - Fees	\$183.24	
Student Affairs - Class of 1945		
Donation.....	<u>163.25</u>	346.49
Surplus Property bought from Govern-		
ment Reserve Written off.....		2,688.88
Book Store on Campus - Collections from Students..	16,030.06	
Griffin Lane Apartments - Receipts.....	3,742.54	
Accounts Receivable - Students - Collections.....	597,399.02	
Accounts Receivable - Students Special - Collections	24,315.48	
Accounts Receivable - Employees - Collections.....	29,974.62	
Accounts Receivable - Government - Collections.....	124,800.34	
Interest Received.....	1,757.38	
Cash Over and Short - Received.....	<u>41.42</u>	876,238.95

#### Items Relating to other Fiscal Years

Advance Receipts for following year.....	\$ 9,416.50	
Room Rents Collected in advance.....	4,727.51	
Expenses for following year applied.....	34,164.84	
Prepaid Insurance applied.....	7,539.12	
Accounts Payable applied.....	7,825.85	
Reserve for New Boilers - applied.....	3,564.48	
Reserve for New Furnishings - applied.....	2,450.20	
Reserve for Barclay Hall Fire - applied.....	3,430.63	
Outstanding checks cancelled.....	<u>39.66</u>	73,158.79

#### Investments Realized

Consolidated Investments Account			
Bonds - Government.....	\$ 25,000.00		
Industrial.....	176.62		
Public Utility..	137,419.50		
Railroad.....	<u>7,000.00</u>	\$169,596.12	
Preferred Stock -			
Public Utility..		44,130.50	
Common Stock -			
Industrial.....	\$ 55,581.68		
Public Utility..	<u>3,161.57</u>	<u>58,743.25</u>	

Forward.....	\$272,469.87	\$2,044,279.80
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Forward..... \$262,469.87

\$2,044,279.80

*Investments Realized (Continued)*

Mortgages..... 41,636.28

Real Estate..... 60,965.65

Miscellaneous..... 4,131.40 \$379,203.20

John Farnum Memorial Fund..... 409.61

A. T. Murray Research Scholarship Fund..... 3,000.00

C. W. Wharton Stork Art Gift Fund -

Dividend Applied..... 500.00 383,112.81

Money Borrowed Temporarily..... 103,000.00

*Balances 9th Month 1, 1947*

In Treasurer's Account..... \$ 3,235.82

In President's Account..... 21,379.31 24,615.13

\$2,555,007.74



## EXPENDITURES

### *Expenses of Running the College*

#### Administration

Salaries.....	\$ 69,995.49	
Supplies and Postage.....	4,645.27	
Services.....	1,132.62	
Telegraph and Telephone.....	1,331.40	
Additional Equipment.....	614.89	
Taxes.....	20.00	
Insurance.....	173.83	
Traveling.....	1,281.52	
Public Relations.....	5,664.89	
Printing.....	4,372.90	
Entertainment.....	2,849.56	
Not Elsewhere Classified.....	<u>1,500.00</u>	\$ 93,582.37
Ratio of Admin. Expenses to Total Expenses (13.025%)		

#### Educational Department

Salaries.....	\$ 278,819.05	
Supplies and Postage.....	11,915.79	
Services.....	3,153.73	
Telegraph & Telephone.....	1,266.77	
Insurance.....	1,671.76	
Traveling.....	3,459.01	
Not Elsewhere Classified.....	<u>1,359.44</u>	301,645.55
Ratio of Educational Expenses to Total Expenses (41.985%)		

#### Maintenance and Operation

Wages.....	\$ 75,494.30	
Supplies and Postage.....	11,138.07	
Services.....	7,472.56	
Water, Heat, Light and Power.....	27,013.60	
Telegraph & Telephone.....	365.91	
Small Tools & Equipment.....	4,538.21	
Taxes.....	3,047.73	
Insurance.....	4,492.39	
Traveling.....	7.98	
Not Elsewhere Classified.....	<u>8,276.62</u>	141,847.37
Ratio of Maintenance & Operation Expenses to Total Expenses (19.743%)		

#### Kitchen

Salaries.....	\$ 34,185.18	
Provisions.....	124,079.86	
Services.....	2,103.74	
Water, Heat, Light, Power.....	8,268.46	
Telephone & Telegraph.....	211.59	
Replacement & Repairs.....	3,318.06	
Taxes.....	2.00	
Insurance.....	<u>217.35</u>	<u>172,386.24</u>
Ratio of Kitchen Expenses to Total Expenses (23.993%)		

Forward..... \$709,461.53

Forward..... \$ 709,461.53

*Pensions for Non-Faculty*

Established Pension Fund	\$ 5,000.00		
Death Benefit			
Fund.....	1,000.00		
Pension Paid.....	<u>2,994.95</u>	<u>8,994.95</u>	<u>8,994.95</u>
Ratio of Pensions to			
Total Expenses (.01254)			

Expenses at the College..... \$ 718,456.48

*Treasurer's and Secretary's Expenses*

Auditors.....	\$ 500.00		
Clerical Help & Rent (in part).....	4,050.00		
Stationery and Printing.....	269.32		
Machine Servicing.....	10.42		
Financial Publications.....	123.00		
Notary Fees.....	1.50		
Secretary's Typewriting and Expenses			
Board of Managers.....	\$ 589.38		
Corporation.....	<u>80.99</u>	<u>670.37</u>	<u>5,624.61</u>

Old Style Pensions for Faculty.....	24,313.66		
Annuity.....	1,600.00		
Interest.....	5,833.86		
Stork Art Gift - Shortage of Income to meet interest charge.....	450.09		
Cost of War Memorial not covered by Donations - written off.....	190.00		
Architect's Fees for Apartment Building, etc.....	3,430.00		
Old Account Written off.....	42.50		
Cost of Surplus Property of Gov't. - Charged off....	5,855.09		
Cost of Working Aid to Students Charged off.....	10,000.00		
Second 1/10 cost of New Boilers in Power Plant.....	3,564.48		
Second 1/5 cost of New Furnishings Bought from Gov't	2,450.20		
Second 1/10 cost of Barclay Hall Fire Loss.....	<u>3,430.63</u>		<u>785,241.60</u>

*Expenditures from Income of Funds for Scholarships and Fellowships*

Jacob P. Jones Endowment Fund.....	\$ 4,650.00	
Moses Brown Fund.....	\$ 4,500.00	
Transportation to Pendle Hill.....	200.00	
Printing.....	<u>12.25</u>	<u>4,712.25</u>
Thomas P. Cope Fund.....	300.00	
Edward Yarnall Fund.....	305.74	
Isaiah V. Williamson Fund.....	1,061.46	
Richard T. Jones Scholarship Fund....	255.73	
Mary M. Johnson Scholarship Fund.....	305.73	
Sarah Marshall Scholarship Fund.....	405.74	
Isaac Thorne Johnson Scholarship Fund	405.73	
Caspar Wistar Memorial Fund.....	155.73	
J. Kennedy Moorhouse Scholarship Fund	<u>505.74</u>	

Forward..... \$13,063.85

\$785,241.60

Forward..... \$13,063.85

\$785,241.60

*Expenditures from Income of Funds for  
Scholarships and Fellowships (Continued)*

Louis Jaquette Palmer Scholarship Fund	505.73	
Paul W. Newhall Memorial Fund.....	255.73	
Robert Martin Zuckert Memorial Scholarship Fund.....	1,011.48	
Samuel E. Hilles Scholarship Fund.....	261.48	
Class of 1913 Scholarship Fund.....	161.48	
Class of 1917 Scholarship Fund.....	211.46	
Daniel B. Smith Fund.....	300.00	
Sarah Tatum Hilles Memorial Scholar- ship Fund.....	4,351.46	
Elihu Grant Memorial Scholarship Fund.	505.73	
Christian Febiger Scholarship Fund....	700.00	
Joseph L. Markley Memorial Scholarship Fund.....	300.00	
Joseph C. and Anne N. Birdsall Scholarship Fund.....	500.00	
Clementine Cope Fellowship Fund		
1 Fellowship in Linguistics at University of Pennsylvania.....	\$700.00	
1 Fellowship in Medicine at University of Penna.	700.00	
1/2 Fellowship in Physics at California Institute of Technology.....	<u>350.00</u>	<u>1,750.00</u>
		\$23,878.40

*Expenditures from Income of Special Trust*

Augustus Taber Murray Research Scholarship Fund Annuity.....	<u>980.00</u>	\$24,858.40
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*Expenditures from Income of Funds for Library*

Mary Farnum Brown Library Fund		
Books - General.....	\$ 3,074.97	
Books - Christian Knowledge.....	242.25	
Lecture.....	<u>137.02</u>	\$ 3,454.24
William H. Jenks Library Fund - Books.....	222.78	
Mary Wistar Brown Williams Library Fund - Books.....	1,111.60	
Anna Yarnall Fund - Books.....	1,437.52	
F. B. Gummere Library Fund - Books....	27.49	
Edmund Morris Fergusson Jr., Memorial Fund - Books.....	44.67	
Class of 1881 Library Fund - Books.....	326.49	
Class of 1918 Library Fund - Books.....	<u>67.32</u>	<u>6,692.11</u>

Forward..... \$31,550.51 \$785,241.60

<i>Forward</i> .....	\$31,550.51	\$785,241.60
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*Expenditures from Income for Special Purposes*

Thomas Shipley Fund.....	\$273.90		
Elliston P. Morris Fund.....	38.28		
John B. Garrett Reading Prize Fund...	55.74		
Special Endowment Fund.....	833.44		
Scholarship Improvement Prize Fund...	106.48		
Elizabeth P. Smith Fund.....	5.74		
S. P. Lippincott History Prize Fund..	121.93		
George Peirce Prize Fund.....	55.74		
Lyman Beecher Hall Prize Fund - Prize	100.00		
Newton Prize Fund.....	88.70		
Arboretum Fund.....	50.00		
William Ellis Scull Prize Fund -			
Prize.....	55.73		
Paul D. I. Maier Fund - Prize.....	10.00		
Strawbridge Observatory Maintenance			
Fund.....	183.31		
Mathematic Department Prize Fund -			
Prizes.....	39.47		
William T. Elkinton Fund.....	100.00		
Tilney Memorial Fund.....	75.00		
Class of 1902 Latin Prize Fund.....	15.74	2,209.20	33,759.71

*Spent from Donations*

For Music from Carnegie Foundation			
donation.....	\$1,964.82		
For Art from Carnegie Foundation			
donation.....	310.28	\$2,275.10	
For Athletics -			
Score Board from Class of 1947.....	\$ 225.00		
37 New Sweaters - Anonymous gift...	250.00		
15 Units Portable Grandstands from			
Triangle Society donation.....	8,170.44		
Snow Fence and Posts from			
G. A. Kerbaugh.....	46.17	8,691.61	
Books Bought -			
From Carnegie Foundation donation..	\$ 11.05		
From Greek Books donation.....	24.23		
From Library Associates -			
Expenses.....	457.14		
Books Bought.....	470.98		
From Minor Library donations.....	63.39		
From Matzke Royalties.....	84.44		
From Orientalia donation.....	2.66		
From Postwar Planning donation....	23.16		
From Quaker Book donation.....	223.25	1,360.30	
Prize for Oratory from Alumni Association.....		50.00	

<i>Forward</i> .....	\$12,377.01	\$819,001.31
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Forward..... \$12,377.01 \$819,001.31

*Spent from Donations (Continued)*

Scholarships -

From Relinquished Corporation		
Scholarships.....	\$1,825.00	
From Max Leuchter gifts.....	200.00	
Fellowship from Oberland Trust.....	2,500.00	
From Richard A. Ricks gift.....	200.00	
From Gift of John Silver.....	500.00	
From Gift of John J. Tunney.....	450.00	5,675.00

For Salaries - Alumni Association.....		3,590.00
Campus Club Expenditures.....		195.89
Chemistry Laboratory Equipment.....		113.70
Cost of Special Report.....		10.00
Electronics Equipment.....		21.53
From Donations for Special Aid to Professors.....		16.54
Portrait of George Fox.....		60.00
Donation for Italian Understanding -		

Transferred to Special Equipment.....		100.00
Landscaping at Dr. Sutton's House.....		119.50
Radio Club Expenditures.....		40.00
Work Camp Projects - Expenditures.....		2,583.70
Professor Ufford's Research Project.....		682.50
Special Equipment for Offices.....		436.50
From Morris E. Leeds' Gift -		

Chemistry.....	\$1,540.11	
Physics.....	948.52	
Powder Room.....	2,893.52	
Chairs for Professors.....	502.50	
Servants Recreation Room.....	492.07	
Language and Reading Laboratory....	130.00	
Alumni Sustaining Fund.....	500.00	7,006.72

For Salary - applied.....		1,000.00
For Paving Lane to Meeting House.....		1,103.00
Class of 1928 Gift - Improvements in Gymnasium....		2,500.00*
Class of 1934 Gift - Government Bonds Bought.....		277.50
Class of 1945 Gift - For Common Room (Applied)....		163.25
E. A. Sherpick Gift - Questionnaire.....		77.00

*Spent from Triangle Society Gift*

For Expenses of Academic Consultants.....		682.97
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*Spent from Alumni Sustaining Fund*

For Alumni Association Expenses.....		8,921.92
(Balance of \$15,204.43 carried over for 1948-1949)		

*Spent from Human Relations Gift*

For transportation.....	\$85.14	
For Books.....	34.96	
Subscription to Human Relations.....	19.00	139.10

Total Spent from Donations.....		47,893.33
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Forward.....		\$866,894.64
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\* \$1,255.87 was also Spent from College Funds, making total cost of Gymnasium Improvements \$3,755.87.



Forward.....	\$866,894.64
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#### Miscellaneous Expenditures

Library Replacements Account - Books Bought.....	\$ 732.40	
Skating Pond Expenses.....	349.40	
Taxes Withheld paid to Government (Salaries).....	41,746.59	
Taxes Withheld paid to Government (Pensions).....	2,087.50	
In and Out Expenses.....	83.37	
Work in Progress - Charges.....	7,658.24	
Store Account Costs.....	8,006.14	
Students Store (old) Account Costs.....	12,680.35	
Loans Made.....	1,050.00	
Student Affairs for Common Room Expenses.....	884.62	
Book Store on Campus - Expenses.....	16,522.54	
Griffin Lane Apartments - Expenses.....	3,742.54	
Accounts Receivable from Students - Charges .....	597,086.16	
Accounts Receivable from Students - Special-Charges .	23,771.70	
Accounts Receivable from Employees - Charges.....	29,214.97	
Accounts Receivable from Government - Charges.....	<u>138,183.48</u>	883,800.00

#### Items Relating to other Fiscal Years

Advance Receipts for Following years - Applied ...	\$ 1,449.37	
Room rents paid in advance - Applied.....	6,100.00	
Expenses for Following year.....	37,766.68	
Prepaid Insurance - Costs.....	5,230.06	
Accounts Payable - Charges applied.....	<u>9,740.21</u>	60,286.32

#### New Construction and Furnishings

Boilers in Power Plant (Work on Motors).....	\$ 112.27	
Extraordinary Repairs - Completed.....	21,691.04	
Forman House - Uncompleted.....	\$26,515.94	
Watson House - Uncompleted.....	13,396.38	
No. 2 College Lane - Uncompleted.....	872.32	
Coach House Dwelling - Uncompleted...	<u>8,994.33</u>	<u>49,778.97</u> 71,582.28

#### Investments Made or Donated

##### Consolidated Investments Account

Bonds - Government....	\$ 8,500.00	
Public Utility	43,300.00	
Railroad.....	<u>61,213.02</u>	\$113,013.02
Preferred Stock -		
Railroad.....		20,210.73
Common Stock -		
Bank.....	\$ 41,485.46	
Industrial....	43,891.84	
Public Utility	262,630.30	
Railroad.....	<u>13,648.50</u>	361,656.10
Mortgages.....		49,025.00
Real Estate.....		75.00
Miscellaneous.....	<u>4,614.61</u>	\$548,594.46
John Farnum Memorial Fund.....		175.00
Augustus Taber Murray Research Scholarship Fund...	<u>2,513.01</u>	551,282.47
Forward.....		<u>\$2,433,845.71</u>

Forward.....\$2,433,845.71

*Borrowed Money Paid off*

(Loan at Bank Outstanding \$68,000.)..... 95,000.00

*Income Transferred to Principal*

Moses Brown Fund.....	\$ 1,849.34	
Isaac Thorne Johnson Scholarship Fund.....	41.53	
Mary Farnum Brown Library Fund.....	21.94	
George Peirce Prize Fund.....	76.86	
Jacob & Eugenie Bucky Memorial Foundation.....	201.77	
Mathematic Department Prize Fund.....	21.59	2,213.03
		<hr/>

*Balance 8th Month 31, 1948*

Treasurer's Account.....	\$ 8,691.55	
President's Account.....	15,257.45	23,949.00
		<hr/>
		\$2,555,007.74
		<hr/> <hr/>

# Lawrence E. Brown & Company

ESTABLISHED 1882

## Certified Public Accountants

PENNSYLVANIA

ADDISON R. BROWN

JOHN H. HAIRE

W. EDWIN DILL

ROBERT W. JOHNSTON

1917 FIDELITY-PHILADELPHIA TRUST BUILDING

PHILADELPHIA

October 18, 1948

Board of Managers,  
The Corporation of Haverford College,  
Haverford, Pennsylvania.

Dear Sirs:

We have examined the statement of receipts and expenditures and the operating statement for the fiscal year ended 8th Month 31, 1948, and the statement of debt of the corporation as of said date as set forth in the annual report of the Treasurer and Comptroller of The Corporation of Haverford College.

Our examination comprised the verification of the receipts and expenditures of the Treasurer and Comptroller for the year; the reconciliation of the cash balance at 8th Month 31, 1948 with the balance on deposit in bank; and the examination of the securities held by the Provident Trust Company as fiscal agent for the Corporation.

In our opinion, the annual report of the Treasurer and Comptroller correctly sets forth the results of the operations of The Corporation of Haverford College for the fiscal year ended 8th Month 31, 1948, in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

Very truly yours,



Lawrence E. Brown & Company  
Certified Public Accountants

# DONATIONS FOR ADDITIONS TO FUNDS

## JAMES R. MAGEE FUND

Further distribution of principal of Anna J. Magee Trust..... \$ 197.99

## ELLEN W. LONGSTRETH FUND

Distribution from Girard Trust Company  
Trustee under will of Ellen W. Longstreth, Deceased for Trust  
established for Sara M. Longstreth, Deceased..... 10,785.65

## LEONARD L. & ROGER L. GREIF FUND

From - Leonard L. Greif, Jr..... \$ 1,000.00  
Roger L. Greif..... 1,000.00 2,000.00

## PARKER S. WILLIAMS FUND (New)

Through - Provident Trust Company & James M. Brittain,  
Trustees & Executors..... 103,993.26

## CLARENCE W. BANKARD FUND (New)

From - Girard Trust Company, Trustee..... 4,305.01

## GILBERT C. FRY FUND (New)

From - Gilbert C. Fry..... 1,000.00

## DANIEL B. BOYER FUND (New)

From - Daniel B. Boyer..... 2,500.00

## MARY K. COMLY FUND (New)

From - Girard Trust Company & Jonathan M. Steere, Executors  
under will of Mary K. Comly, Deceased..... 35,000.00

## ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIP FUND

From - Harry M. Zuckert..... 2,000.00

## JOSEPH C. & ANNE N. BIRDSALL SCHOLARSHIP FUND

From - Dr. and Mrs. Joseph C. Birdsall..... 5,000.00

## CLASS OF 1917 SCHOLARSHIP FUND

Through - Dr. John W. Spaeth, Jr.

From - William H. Chamberlin.....	\$ 10.00	
Joseph W. Greene, Jr.....	200.00	
H. Lawrence Jones.....	10.00	
Dr. E. Roland Snader.....	100.00	
Ernest L. Brown.....	25.00	
Loring Dam.....	100.00	
Hugh E. McKinstry.....	30.00	
Arthur E. Spellissy.....	225.00	
Dr. Donald Chandler.....	100.00	
Edmund T. Price.....	100.00	
Warren Burkett.....	10.00	
M. Alexander Laverty.....	10.00	
Weston Howland.....	50.00	
Arthur H. Napier.....	5.00	
Dr. Newlin F. Paxson.....	<u>10.00</u>	985.00
Forward.....		<u>\$167,766.91</u>

Forward..... \$167,766.91

DANIEL E. DAVIS, JR. MEMORIAL SCHOLARSHIP FUND (New)

From - Mr. & Mrs. Daniel E. Davis  
In memory of their son..... 3,000.00

JACOB & EUGENIE BUCKY MEMORIAL FOUNDATION

Through - Solomon L. Fridenberg..... 500.00

CLASS OF 1898 GIFT (New)

From - Vincent Gilpin.....	\$ 100.00	
William W. Cadbury.....	200.00	
Robert N. Wilson.....	20.00	
Arthur S. Harding.....	50.00	
S. Roland Morgan.....	50.00	
Francis Sims McGrath, Esq.....	100.00	
Morris N. Lee.....	25.00	
Frederick A. Swan.....	25.00	
Albert Syze.....	50.00	
C. Herbert Bell.....	1,242.80	
Francis R. Strawbridge.....	1,000.00	
Alfred G. Scattergood.....	1,000.00	
Mrs. Walter C. Janney (in memory of deceased husband).....	50.00	
Purlee C. Sisler.....	25.00	
Joseph H. Haines.....	10.00	
Richard D. Wood.....	1,000.00	
Fred Stadelman.....	50.00	
John I. Lane.....	100.00	
Thomas Wistar.....	<u>1,002.20</u>	6,100.00

EDMUND J. LEE MEMORIAL AWARD FUND (New)

(from the Class of 1943)

John M. Allen.....	\$ 25.00	
Eugene E. Anderson, Jr.....	5.00	
Douglas H. Baker.....	2.00	
Arthur H. Bell.....	5.00	
Jared S. Brown.....	15.00	
Tristram P. Coffin.....	5.00	
David A. Coolidge.....	10.00	
Paul M. Cope, Jr.....	15.00	
Thomas H. Eckfeldt, III.....	10.00	
John J. Enck.....	10.00	
J. Morris Evans.....	15.00	
Sumner W. Ferris.....	20.00	
William L. Grala, Jr.....	5.00	
William M. Harris.....	5.00	
John F. Herman, Jr.....	7.50	
John Fitz Hill.....	20.00	
Holland Hunter.....	25.00	
Lewis C. Kebbee.....	10.00	
David B. Kirk.....	5.00	
Howard B. Kriebel.....	5.00	
Edmund J. Lee (in memory of).....	50.00	
Ellen N. Lee (in memory of Ed Lee).....	100.00	
Mildred W. Lee (in memory of Ed Lee).....	<u>100.00</u>	
Forward.....	\$469.50	\$177,366.91



Forward.....

\$469.50    \$177,366.91

EDMUND J. LEE MEMORIAL AWARD FUND (Continued)

Leon Levintow.....	25.00	
H. Mather Lippincott, Jr.....	26.00	
Russell M. Lyman.....	5.00	
Robert MacCrate.....	25.00	
John C. Marsh.....	5.00	
Avrel Mason.....	10.00	
John H. Meader.....	5.00	
John M. Moon.....	25.00	
Sterling Newell, Jr.....	15.00	
Frank K. Otto.....	10.00	
Norman Peterkin.....	30.00	
Stuart L. Ridgeway.....	10.00	
Alan S. Rogers.....	10.00	
George M. Ryrie.....	25.00	
William F. Shihadeh.....	5.00	
John G. Shinn.....	5.00	
L. Gerow Smiley.....	5.00	
David D. Somers.....	5.00	
Kenedon P. Steins.....	24.00	
Ezra C. Stiles, Jr.....	5.00	
James S. Sutterlin.....	5.00	
John W. Thacher, Jr.....	5.00	
Haskell Torrence.....	30.00	
Harold S. Thomson.....	25.00	
Alexander C. Tomlinson, Jr.....	12.00	
John C. Whitehead.....	25.00	
Carl E. Widney, Jr.....	20.00	
John B. Wilkie.....	15.00	
Dr. Hugh R. Williams.....	5.00	
R. Bayly Winder, IV.....	5.00	
William N. Wingerd.....	15.00	
		906.50
		<u>\$178,273.41</u>

## D O N A T I O N S

### ATHLETICS

#### FOR NEW SCOREBOARD

From Class of 1947.....	\$	225.00
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#### FOR NEW SWEATERS

Anonymous.....		250.00
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#### FOR FIELD HOUSE

Through A. W. Haddleton.....		8.00
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#### FOR TRIANGLE SOCIETY MEMORIAL STANDS

As per list following.....	2,300.00	
From Games' Receipts.....	<u>954.80</u>	\$ 3,737.80

#### FOR BOOKS

Refund Carnegie Books.....	\$	31.00
From Library Associates: as per list following....	593.75	
From Minor Library Donations.....	58.33	
From Matzke Royalties (from Publisher).....	40.28	
Quaker Books from H. Vogt.....	<u>1,000.00</u>	1,723.36

#### FOR PRIZES

From Alumni Association for Oratorical Prize.....		50.00
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#### FOR SCHOLARSHIPS

##### Corporation Scholarships Relinquished

From M. J. Oppenheimer.....	\$	300.00
W. R. Clark.....	150.00	
S. J. Ginsburg.....	150.00	
R. B. Graham.....	150.00	
G. W. Acker.....	300.00	
F. Ford.....	300.00	
D. B. McCarn.....	<u>150.00</u>	\$ 1,500.00
From Maryland Society of Haverford.....	600.00	
From Max Leuchter.....	100.00	
From Oberland Trust for Fellowship.....	2,500.00	
From Estate of Ida Bell for Quaker Children....	1,929.10	
From Richard A. Ricks.....	<u>200.00</u>	6,829.10

#### FOR SALARIES

From Alumni Association.....		<u>3,590.00</u>
Forward.....		\$15,930.26

Forward.....

\$15,930.26

# CAMPUS CLUB

Through Dr. Oakley

From Mrs. Henry Balderston.....	\$ 2.00	
Mr. Wilfred Bancroft.....	5.00	
Miss Mabel Beard.....	3.00	
Mr. Samuel T. Brinton.....	2.00	
Mr. and Mrs. Francis F. Campbell.....	2.00	
Dr. and Mrs. Aldo Caselli.....	2.00	
Mr. Aubrey C. Dickson, Jr.....	2.00	
Mr. Charles Evans.....	10.00	
Mr. Edward W. Evans.....	3.00	
Dr. and Mrs. Louis C. Green.....	2.00	
Mr. and Mrs. A. W. Haddleton.....	2.00	
Mrs. Naomi B. Kelsey.....	3.00	
Dr. John A. Kelly.....	5.00	
Mr. Morris E. Leeds.....	10.00	
Mr. John C. Lober.....	5.00	
Dr. and Mrs. William B. Meldrum.....	2.00	
Mr. Robert E. Miller.....	5.00	
Mr. C. C. Morris.....	15.00	
Mr. G. Ruhland Rebmann, Jr.....	10.00	
Mr. Alfred G. Scattergood.....	5.00	
Mr. J. Henry Scattergood.....	5.00	
Mr. Laird Simons, Jr.....	50.00	
Mr. Albert K. Smiley.....	10.00	
Mrs. Mabel C. Smiley.....	10.00	
Mr. W. Wyclif Walton.....	5.00	
Dr. and Mrs. A. H. Wilson.....	5.00	
Mr. and Mrs. Edward Woolman.....	5.00	185.00

# FOR CHEMISTRY LABORATORY EQUIPMENT

Anonymous.....	100.00
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# FOR CARE OF COPE FIELD

From Alfred G. Scattergood, Trustee.....	50.00
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# FOR DEBT OF CORPORATION

From Thomas W. Elkinton.....	500.00
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# FOR COST OF SPECIAL REPORT

From C. A. Pratt.....	10.00
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# FOR GEORGE FOX'S PORTRAIT

From George and Mary Vaux.....	60.00
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# FOR LANDSCAPING

From Dr. Richard M. Sutton.....	125.00
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# FOR CAMP HOUSE

Anonymous.....	10,000.00
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# FOR RADIO CLUB

Interest Allowed.....	66.68
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Forward.....	\$27,026.94
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Forward.....		\$27,026.94
FOR WORK CAMP EVALUATION PROJECT		
From Carnegie Corporation of New York.....		7,000.00
FOR SPECIAL EQUIPMENT		
From Gabriel Hakim.....	\$ 500.00	
Anonymous.....	180.32	
Transferred from Italian Understanding.....	<u>100.00</u>	780.32
FOR TRANSFER UNUSED APPROPRIATION		
From Morris E. Leeds' Gift.....		21.53
FOR FACULTY SALARIES		
Anonymous.....		1,000.00
FOR GENERAL PURPOSES		
From Hoag Trust.....	\$ 41.80	
From Professor Oakley.....	<u>150.00</u>	191.80
FOR PAVING MEETING HOUSE LANE		
Anonymous.....		1,103.00
FOR IMPROVEMENTS IN GYMNASIUM		
From Class of 1928 (see list following).....		1,398.50
CLASS OF 1934 FUND		
See list following.....		288.00
CLASS OF 1945		
For Common Room.....		<u>163.25</u>
		\$38,973.34
ALUMNI SUSTAINING FUND		
See list following.....		24,126.35
HUMAN RELATIONS GIFT		
Anonymous.....		<u>7,588.17</u>
		<u>\$ 70,687.86</u>

# CONTRIBUTORS TO THE "LIBRARY ASSOCIATES"

Mr. and Mrs. Charles Abbott. . . . .	\$ 3.00	Brought Forward	\$266.75
Mr. and Mrs. Jacob B. Abbott . . . . .	2.00		
Mr. John Forsyth Alexander . . . . .	2.00	Dr. and Mrs. Robert M. Lockwood . . . . .	2.00
Mrs. William C. Alexander . . . . .	4.00	Mrs. Howard Longstreth . . . . .	3.00
Mr. and Mrs. A. H. Allen . . . . .	2.00	Mr. and Mrs. W. L. Lovelace. . . . .	8.00
Mr. and Mrs. Carl B. Allendoerfer . . . . .	2.00	Mr. Benjamin H. Lowry. . . . .	10.00
Dr. and Mrs. Kenneth E. Appel . . . . .	20.00	Mr. and Mrs. Benjamin Ludlow . . . . .	5.00
Mr. and Mrs. Manuel J. Asensio . . . . .	2.00	Mr. and Mrs. Archibald MacIntosh . . . . .	2.00
Mr. and Mrs. Wilfred Bancroft. . . . .	5.00	Miss Belle Matheson . . . . .	2.00
Miss Mabel S. Beard . . . . .	2.00	Mr. James A. McQuail, Jr. . . . .	5.00
Miss Florence G. Beddall . . . . .	2.00	Mr. and Mrs. W. E. G. Miller. . . . .	2.00
Mr. and Mrs. Thomas A. Benham . . . . .	2.00	Mrs. James F. Mitchell, Jr. . . . .	5.00
Mrs. Robert Montgomery Bird. . . . .	2.00	Mr. Charles Henry Moon . . . . .	1.00
Mr. and Mrs. Paul Bleyden . . . . .	2.00	Mr. and Mrs. Christopher Morley. . . . .	5.00
Miss L. M. Bostwick . . . . .	2.00	Mr. C. Christopher Morris. . . . .	10.00
Mr. and Mrs. Harold W. Brecht . . . . .	2.00	Mr. Elliott H. Morse. . . . .	2.00
Dr. and Mrs. Arthur A. Briskin . . . . .	2.00	Mrs. Clarence N. Myers . . . . .	2.00
Mr. and Mrs. Friedrich Bruns . . . . .	2.00	Mr. Arthur Howell Napier . . . . .	2.00
Mrs. Helen Cadbury Bush . . . . .	2.00	Miss Caroline Newton . . . . .	10.00
Mr. and Mrs. Aldo Caselli. . . . .	2.00	Mr. and Mrs. Raymond T. Ohl . . . . .	2.00
Miss Edith Chambers . . . . .	2.50	Mr. Nicholas Orehoff. . . . .	2.00
Mrs. George Hamilton Chambers. . . . .	2.50	Miss Jessie Allen Page . . . . .	2.00
Mr. and Mrs. George K. Chandler. . . . .	2.00	Dr. and Mrs. O. H. Perry Pepper . . . . .	20.00
Dr. and Mrs. J. Howard Cloud . . . . .	2.00	Mr. Frederick C. Phillis . . . . .	2.00
Mrs. William H. Collins . . . . .	2.00	Miss Ida W. Pritchett . . . . .	5.00
Mr. and Mrs. Howard Comfort . . . . .	2.00	Mrs. G. R. Rebmann, Jr. . . . .	5.00
Mr. Robert Cryan . . . . .	3.75	Mr. William H. Reese . . . . .	1.00
Mr. Claude Albert Cubberley. . . . .	4.00	Mr. and Mrs. Layton B. Register . . . . .	5.00
Dr. David M. Davis . . . . .	5.00	Mr. and Mrs. Charles J. Rhoads. . . . .	10.00
Dr. and Mrs. Lovett Dewees. . . . .	2.00	Dr. and Mrs. Jonathan E. Rhoads . . . . .	20.00
Miss Susan J. Dewees . . . . .	4.00	Mr. and Mrs. John F. Rich . . . . .	2.00
Dr. and Mrs. T. McK. Downs . . . . .	10.00	Mrs. Nancy Robbins . . . . .	2.00
Mr. and Mrs. Thomas E. Drake . . . . .	3.00	Mrs. Louis Barclay Robinson . . . . .	2.00
Mr. and Mrs. Henry S. Drinker, Jr. . . . .	10.00	Mr. and Mrs. George Rosengarten . . . . .	10.00
Mr. and Mrs. Henry C. Evans. . . . .	2.00	Mr. and Mrs. William P. Sadler . . . . .	15.00
Mrs. McClure Fahnestock . . . . .	2.00	Dr. and Mrs. S. W. Sappington . . . . .	2.00
Dr. and Mrs. Clifford B. Farr . . . . .	2.00	Mr. and Mrs. Malcolm G. Sausser. . . . .	5.00
Miss Kathryn V. Forrest . . . . .	2.00	Mr. and Mrs. J. Henry Scattergood . . . . .	5.00
Mr. Henry S. Fraser . . . . .	5.00	Mr. and Mrs. Seaton Schroeder . . . . .	5.00
Mrs. Sara K. Fuller. . . . .	2.00	Mr. and Mrs. William E. Scull . . . . .	5.00
Miss Marion C. Gardiner . . . . .	2.00	Mr. and Mrs. Leslie R. Severinghaus . . . . .	5.00
Mr. and Mrs. George H. Gilbert . . . . .	2.00	Dr. and Mrs. Frederic C. Sharpless . . . . .	2.00
Mr. Howard L. Goodhart . . . . .	10.00	Mr. and Mrs. Lucius R. Shero . . . . .	2.00
Mr. and Mrs. Douglas W. Gould . . . . .	5.00	Miss Mary C. Smith . . . . .	5.00
Mr. and Mrs. Louis C. Green. . . . .	2.00	Mr. and Mrs. Freas B. Snyder . . . . .	5.00
Mr. Morris M. Green . . . . .	10.00	Dr. and Mrs. William C. Stadie. . . . .	2.00
Miss Gladys H. Griscom. . . . .	5.00	Mr. and Mrs. I. Thomas Steere . . . . .	2.00
Mr. and Mrs. Richard M. Gummere. . . . .	1.00	Mr. and Mrs. Jonathan M. Steere . . . . .	10.00
Mr. and Mrs. J. Morgan Harding. . . . .	5.00	Mr. and Mrs. J. Tyson Stokes . . . . .	10.00
Miss Ethel Hastings . . . . .	2.00	Mrs. Adele L. Stone . . . . .	5.00
Mrs. John V. Hastings, Jr. . . . .	5.00	Mr. and Mrs. Hugh E. Stone. . . . .	5.00
Miss Sylvia B. Hetzel. . . . .	2.00	Mr. and Mrs. Kenneth E. Stuart . . . . .	4.00
Miss Margaretta S. Hinchman . . . . .	2.00	Mr. and Mrs. Philip S. Sweetser. . . . .	5.00
Mr. and Mrs. Harrison S. Hires. . . . .	5.00	Mr. Emmett R. Tainall . . . . .	2.00
Mr. and Mrs. William L. Hires. . . . .	2.00	Mr. and Mrs. Robert C. Teare. . . . .	2.00
Mr. and Mrs. Clarence G. Hoag. . . . .	10.00	Miss Marjorie L. Thompson . . . . .	2.00
Mr. and Mrs. Gilbert T. Hoag . . . . .	2.00	Mrs. Lester D. Tyler . . . . .	2.00
Mr. and Mrs. Howard Hogenauer . . . . .	5.00	Mr. and Mrs. Edwin L. Voegel. . . . .	4.00
Mr. and Mrs. Allen F. Horton . . . . .	5.00	Mr. and Mrs. W. C. Wagner. . . . .	5.00
Mrs. Ralph D. Jackson. . . . .	2.00	Mrs. J. Gardener Walton . . . . .	5.00
Mr. Charles F. Jenkins . . . . .	10.00	Dr. and Mrs. Deane Webber. . . . .	4.00
Mrs. H. Lawrence Jenkins . . . . .	5.00	Mr. and Mrs. W. Nelson L. West . . . . .	5.00
Mr. and Mrs. Ames Jonston. . . . .	5.00	Mr. and Mrs. Gilbert F. White . . . . .	2.00
Mr. Charles Dexter Jones . . . . .	2.00	Mr. H. Justice Williams . . . . .	2.00
Mrs. Rufus M. Jones. . . . .	2.00	Mr. and Mrs. William M. Wills . . . . .	2.00
Mrs. Rayner W. Kelsey . . . . .	2.00	Mr. and Mrs. Albert H. Wilson. . . . .	10.00
Mr. and Mrs. M. Albert Linton. . . . .	10.00	Mr. and Mrs. D. Wright Wilson. . . . .	2.00
Miss Dorothy H. Litchfield. . . . .	5.00	Mr. and Mrs. Thomas Wistar . . . . .	10.00
Mr. and Mrs. John C. Lober . . . . .	4.00	Mr. and Mrs. Edward Woolman. . . . .	5.00
Mr. and Mrs. Dean P. Lockwood. . . . .	2.00		
Carried Forward	\$266.75	Total	\$593.75



# CONTRIBUTORS TO THE "ALUMNI FUND"

1881	1889	1894
Levi T. Edwards Walter F. Price <i>Contributors</i> 100% <i>Total for the year</i> \$15.00	William R. Dunton, Jr. Thomas Evans Warner Fite Franklin B. Kirkbride Lawrence J. Morris Charles M. Shupert Frank E. Thompson <i>Contributors</i> 78% <i>Total for the year</i> \$110.00	William W. Comfort Henry S. Conard George B. Dean Clifford B. Farr Fane S. Green James E. Hughes Martin N. Miller Frederick P. Ristine Jonathan T. Rorer (Now Deceased) Francis J. Stokes Edwin M. Wilson <i>Contributors</i> 84% <i>Total for the year</i> \$295.00
1882	1890	1895
J. Henley Morgan Edward Randolph <i>Contributors</i> 100% <i>Total for the year</i> \$11.00	George T. Butler Charles T. Cottrell Percy S. Darlington Guy H. Davies Robert E. Fox Dilworth P. Hibberd Jonathan M. Steere Robert R. Tatnall <i>Contributors</i> 100% <i>Total for the year</i> \$216.00	Samuel H. Brown Frank H. Conklin Ira O. Kemble Grabame Wood <i>Contributors</i> 40% <i>Total for the year</i> \$62.00
1883	1891	1896
Stephen W. Collins <i>Contributors</i> 100% <i>Total for the year</i> \$5.00	Carey Coale David L. Mekeel Henry A. Todd <i>Contributors</i> 60% <i>Total for the year</i> \$20.00	George R. Allen William H. Bettie Milton Clauser (In memory of) Arthur F. Coca Thomas H. Haines Albert D. Hartley William W. Hastings John A. Lester J. Henry Scattergood L. Hollingsworth Wood <i>Contributors</i> 100% <i>Total for the year</i> \$327.00
1885	1892	1897
William T. Ferris Arthur W. Jones Rufus M. Jones (Now Deceased) William T. Reeve Isaac Sutton (In memory of) <i>Contributors</i> 100% <i>Total for the year</i> \$75.00	Augustine W. Blair Benjamin Cadbury Minturn P. Collins Charles G. Cook Henry L. Davis, Jr. Walter M. Hart Arthur Hoopes John W. Muir William H. Nicholson, Jr. Gilbert J. Palen Maxfield Parrish W. Nelson L. West Stanley R. Yarnall <i>Contributors</i> 81% <i>Total for the year</i> \$347.00	Thomas M. Chalfant Alfred M. Collins Elliot Field Charles H. Howson John E. Hume Roswell C. McCrea William G. Rhoads <i>Contributors</i> 54% <i>Total for the year</i> \$145.00
1886	1893	1898*
William H. Savery <i>Contributors</i> 50% <i>Total for the year</i> \$10.00	Leslie A. Bailey Walter W. Haviland Clarence G. Hoag Arthur V. Morton Charles J. Rhoads Barton Sensenig J. Gurney Taylor Edward Woolman Gifford K. Wright <i>Contributors</i> 69% <i>Total for the year</i> \$560.00	C. Herbert Bell William W. Cadbury Vincent Gilpin Morris M. Lee F. Sims McGrath Oscar P. Moffitt S. Rowland Morgan Alfred G. Scattergood Francis R. Strawbridge Frederick A. Swan Robert N. Wilson Thomas Wistar <i>Contributors</i> 60% <i>Total for the year</i> \$355.00
1887		
Edward F. Chillman Allen B. Clement Henry H. Goddard Willis H. Hazard Frederic H. Strawbridge <i>Contributors</i> 83% <i>Total for the year</i> \$535.00		
1888		
Henry V. Gummere Francis C. Hartshorne Morris E. Leeds Joseph W. Sharp, Jr. <i>Contributors</i> 67% <i>Total for the year</i> \$535.00		

\*In addition to special anniversary gift reported on page 33.

## 1899

William A. Battey  
Edward H. Lycett, Jr.  
E. Roberts Richie  
A. Clement Wild  
Louis R. Wilson

*Contributors* 50%  
*Total for the year* \$231.75

## 1900

William B. Bell  
Francis R. Cope, Jr.  
Henry S. Drinker  
John T. Emlen  
Frank M. Eshelman  
Henry M. Hallett  
Walter S. Hinchman  
Samuel W. Mifflin  
Heber Sensenig  
Frederick C. Sharpless  
Abram G. Tatnall  
Edward B. Taylor, Jr.  
Linden H. White

*Contributors* 54%  
*Total for the year* \$230.00

## 1901

Ellis Y. Brown, Jr.  
John W. Cadbury  
William E. Cadbury  
Lawrence W. DeMotte  
Lovett Dewees  
William H. Kirkbride  
Herbert S. Langfeld  
William O. Mendenhall  
Edward L. Macomber  
W. LaCoste Neilson  
Frederick Sharp

*Contributors* 48%  
*Total for the year* \$150.00

## 1902

Edgar H. Boles  
C. Reed Cary  
Arthur S. Cookman  
William V. Dennis  
Edward W. Evans  
John S. Fox  
Richard M. Gummere  
Gurney E. Newlin  
Percival Nicholson  
William P. Phillips  
J. Wallace Reeder  
Robert J. Ross  
Norris A. Scott  
John L. Stone  
George H. Thomas  
E. Earl Trout  
Alexander C. Wood, Jr.

*Contributors* 59%  
*Total for the year* \$2,072.00

## 1903

Henry J. Cadbury  
A. Griffin Dean  
James B. Drinker  
Mercur Eshleman  
J. Emory Hollingsworth  
Arthur J. Phillips  
Robert L. Simkin  
I. Sheldon Tinley  
Howard M. Trueblood

*Contributors* 47%  
*Total for the year* \$84.00

## 1904

William S. Bradley  
Howard H. Brinton  
Phillip D. Folwell  
George K. Helbert  
William T. Hilles  
W. M. C. Kimber  
Bernard Lester  
Robert P. Lowry  
C. Christopher Morris  
Harold H. Morris  
Charles R. Owen  
Edgar T. Snipes  
James M. Stokes, Jr.  
John R. Thomas  
Bert C. Wells  
William M. Willis  
Samuel C. Withers

*Contributors* 59%  
*Total for the year* \$763.00

## 1905

T. M. Bales  
Benjamin H. Cates  
Henry G. Cox  
Benjamin Eshleman  
Paul Jones  
Charles S. Lee  
Joseph H. Morris  
Glyndon Priestman  
Elias Ritts  
Leslie B. Seely  
Sigmund Spaeth  
Herman K. Stein  
Ralph W. Trueblood  
Edwards F. Winslow

*Contributors* 48%  
*Total for the year* \$245.00

## 1906

Walter Carson  
Thomas Crowell  
Henry W. Doughten  
H. Boardman Hopper  
William Kennard  
Jesse D. Phillips  
Henry Pleasants, Jr.  
Albert K. Smiley  
John A. Stratton  
Joseph J. Tunney  
Walter A. Young

*Contributors* 42%  
*Total for the year* \$150.00

## 1907

Harold Evans  
Samuel J. Gummere  
Wilbur H. Haines  
James P. Magill  
Howard Mitchell  
Alfred B. Morton  
C. Clayton Terrell  
Alex N. Warner  
George H. Wood

*Contributors* 36%  
*Total for the year* \$287.00

## 1908

Fisher C. Baily  
Carroll T. Brown  
Howard Burr  
J. Browning Clement, Jr.  
Clifford C. Collings  
Dudley D. Carroll  
Thomas C. Desmond  
Cecil K. Drinker  
Edward A. Edwards  
J. Passmore Elkinton  
Thomas R. Hill  
Walter E. Lewis  
M. Albert Linton  
T. Morris Longstreth  
Charles L. Miller  
W. Haviland Morriss  
Loren C. Petry  
Charles H. Rogers  
Winthrop Sargent, Jr.  
Carl F. Scott  
Walter R. Shoemaker  
George K. Strode  
Walter W. Whitson  
Raymond C. Woodard

*Contributors* 62%  
*Total for the year* \$490.00

## 1909

R. Newton Brey  
Percival B. Fay  
William S. Febiger  
Allan J. Hill  
Sidney Loewenstein  
Charles G. Martinson  
Paul Van Reed Miller  
Joseph W. Pennypacker  
Frank M. Ramsey  
J. Warrington Stokes  
Frederick R. Taylor  
Charles B. Thompson  
Robert L. M. Underhill  
W. W. Warner

*Contributors* 41%  
*Total for the year* \$285.00

## 1910

Lawrence H. Barrett  
Earlham Bryant  
Earl S. Cadbury  
Donald B. Cary  
H. Ernest Crow  
Edward W. David  
Joseph C. Develin  
Harrison Hires

Arthur W. Hutton  
John D. Kenderdine  
George A. Kerbaugh  
Charles S. Leininger  
Henry C. Lewis  
Samuel Mason, Jr.  
Christopher Morley  
Reginald H. Morris  
Walter Palmer  
John Phillips  
Samuel A. Rabinowitz  
Charles S. Ristine  
Perry B. Strassburger  
Willard Tomlinson

Contributors 56%  
Total for the year \$870.00

## 1911

Daniel B. Boyer  
Phillip B. Deane  
Walter R. Dent  
William D. Hartshorne  
David Hinshaw  
Louis L. Hobbs  
William L. Kleinz  
L. Arnold Post  
Joseph H. Price  
D. Duer Reynolds  
Edwin A. Russell  
Lucius R. Shero  
Gibson Smith  
Walter Tebbetts  
Frederick Tostenson  
Charles Wadsworth  
Caleb Winslow

Contributors 41%  
Total for the year \$527.00

## 1912

Albert L. Bailly, Jr.  
Stacey K. Beebe  
A. L. Biedenbach  
J. Arthur Brownlee  
Joshua A. Cope  
Hans Froelicher, Jr.  
Walter F. Graham  
Herbert M. Lowry  
Robert E. Miller  
Sydney S. Morris  
Irvin C. Foley  
Leonard C. Ritts  
William H. Roberts  
Thomas E. Shipley  
Samuel B. Sturgis  
Lloyd M. Smith  
Henry M. Thomas, Jr.  
Edward Wallerstein  
Charles H. Wetzel

Contributors 47%  
Total for the year \$395.00

## 1913

Paul H. Brown  
Charles H. Crosman  
William S. Crowder  
Frederick A. Curtis  
Charles G. Darlington

Francis H. Diamant  
Joseph C. Ferguson, III  
Lawrence N. Hadley  
Norris F. Hall  
William Y. Hare  
Charles E. Hires, Jr.  
Elisha T. Kirk  
William C. Longstreth  
Edmund R. Maule  
Stephen W. Meader  
Lloyd H. Mendenhall  
George Montgomery  
Oliver M. Porter  
Frederick P. Stieff  
L. Ralston Thomas  
John V. VanSickle  
William Webb  
Donald Wilder  
Edwards F. Winslow  
George L. Winslow

Contributors 58%  
Total for the year \$226.50

## 1914

W. G. Bowerman  
Carroll D. Champlin  
George V. Downing  
Charles W. Edgerton  
Alfred W. Elkinton  
Howard W. Elkinton  
Thomas W. Elkinton  
Edward M. Jones  
Harold M. Lane  
Robert A. Locke  
Harold S. Miller  
William S. Patteson  
Rowland S. Phillips  
Robert C. Smith  
S. Emlen Stokes  
John A. Stout  
Herbert W. Taylor  
Thomas Tomlinson  
Charles K. Trueblood  
Charles R. Williams

Contributors 56%  
Total for the year \$1,388.50

## 1915

Donald G. Baird  
Edgar C. Bye  
G. Cheston Carey  
J. W. Gummere  
George H. Hallett, Jr.  
Harold W. Helveston  
Thomas Hoopes, Jr.  
Hubert A. Howson  
William H. Leland  
Harlan L. McCracken  
Felix Morley  
Elmer L. Shaffer  
C. Brinkley Turner  
Walter E. Vail  
Donald B. VanHollen  
Ernest N. Votaw

Contributors 48%  
Total for the year \$184.00

## 1916

Frederick C. Buffum  
James Carey  
Frank W. Cary  
Bolton L. Corson  
George A. Dunlap  
Albert G. Garrigues  
William T. Hannum  
Perry A. Hunter  
Raymond C. Kendig  
William T. Kirk  
Clinton P. Knight, Jr.  
John Kuhns  
Phillip L. Leidy  
Edward F. Lukens, Jr.  
Edward R. Moon  
Francis P. Sharpless  
James E. Shipley  
(Now Deceased)

I. Thomas Steere  
Joseph Stokes, Jr.

Contributors 50%  
Total for the year \$699.00

## 1917\*

Ernest L. Brown  
J. Warren Burkett  
William H. Chamberlin  
Donald Chandler  
Loring Dam  
Joseph W. Greene, Jr.  
Albert W. Hall  
Henry W. Hill  
Weston Howland  
H. Lawrence Jones  
M. Alexander Laverty  
Mennis Lawson  
(Now Deceased)  
W. Clark Little  
Hugh E. McKinstry  
Arthur H. Napier  
Donald H. Painter  
Newlin F. Paxson  
Edmund T. Price  
Carl M. Sangree  
Wendell D. Schoch  
E. Roland Snader, Jr.  
(Now Deceased)  
John W. Spaeth, Jr.  
Arthur E. Spellissy  
J. Clayton Strawbridge  
T. B. Whitson

Contributors 48%  
Total for the year \$680.00

\*In addition to contributions to the Class of 1917 Scholarship Fund reported on page 32.

## 1918

John W. Alexander  
Harrison H. Arnold  
Robert Barrie, Jr.  
J. Henry Beeson  
Herbert H. Bell  
Arthur H. Cleveland, Jr.  
Bennett S. Cooper  
J. Marshall Crosman  
Stephen Curtis  
Robert H. Dann  
Frank Deacon



Alfred H. Dewees  
A. Lincoln Gillespie, Jr.  
Nell Gilmour  
Robert B. Greer  
Henry M. Hallett  
William H. Harding  
Lewis E. Hartman  
Joseph M. Haymen, Jr.  
Matthew M. Hynson  
Henry W. Koons  
Jacques LeClercq  
Charles-Francis Long  
William Mussetter  
Herbert J. Painter  
Edward A. G. Porter  
Harry P. Schenck  
Joseph W. Sharp, III  
Morris S. Shipley  
Oliver P. Tatum  
John W. Thacher  
Albert H. Tomlinson  
Alfred Townsend  
William J. Wright

Contributors 71%  
Total for the year \$394.50

## 1919

Phillip L. Corson  
Grafton B. Day  
Edgar B. Graves  
Hartley S. Haines  
Arthur D. Hall  
George H. Hubler  
Thomas McConnell, III  
Ralph F. S. Moeck  
A. Douglas Oliver  
Walter P. Shipley, Jr.  
H. Dana Taylor  
Cleaver S. Thomas  
Elmer H. Thorpe

Contributors 38%  
Total for the year \$159.00

## 1920

Harold W. Brecht  
Herman D. Carus  
Benjamin Collins  
Paul C. Crowther  
J. Branson Edmonds  
J. Russel Fitts  
Edwin O. Geckeler  
Frank T. Gucker  
Gilbert T. Hoag  
Milton A. Kamsler  
Thomas H. Kearney  
Norman F. Milne  
Thomas E. Morris  
Robert R. Porter  
John D. Reese  
Horace F. Spencer  
James E. Sutton  
Granville Toogood  
John S. Williams  
Richard R. Wood  
Granville Worrell, II

Contributors 41%  
Total for the year \$543.00

## 1921

Elliot W. Brown  
S. Newcomb Ewan, Jr.  
Thomas L. Fansler, Jr.  
Edmund G. Hauff  
Eugene B. Heilman  
John R. Hoopes  
William T. Jebb  
Henry W. Kumm  
Julian S. Long  
Archibald MacIntosh  
Samuel A. Nock  
Raymond T. Ohl  
A. Arthur Powell  
Albert E. Rogers  
M. H. Sangree  
Joseph H. Smith  
Charles W. Ufford  
Benjamin B. Weatherby  
Robert N. Wood

Contributors 38%  
Total for the year \$310.00

## 1922

Charles D. Abbott  
Noel S. Arrowsmith  
John B. Barker  
Kenneth Braddock-Rogers  
Andrew Brown  
Henry S. Fraser  
John F. Gummere  
George A. Hilleman  
Ralph A. Klemm  
Frederick S. Miller  
Robert R. Matzke  
Delaplaine McDaniel  
Thomas R. Montgomery  
Elliston P. Morris  
Harry W. Pfund  
William L. Rhoads  
William E. Silver  
Richard M. Sutton  
Edward A. Taylor  
Kenneth B. Walton  
Prosper D. Wirt  
J. Colvin Wright  
Edwin W. Zerrer

Contributors 43%  
Total for the year \$393.00

## 1923

Russel G. Allen  
W. Warder Bacon  
John C. Borton  
H. Tatnall Brown, Jr.  
F. F. Flint  
Frank S. Flowers  
Gilbert C. Fry  
Edward K. Haviland  
Garrett S. Hoag  
William C. Hunsicker, Jr.  
Wilmot R. Jones  
S. Brooks Knowlton  
Franklin C. Morss, Jr.  
Thomas Parke  
Robert Schultz  
John B. Stevenson  
Gordon W. Strawbridge

C. Bevan Strayer  
Alfred L. Test  
Wayne M. Wagenseller  
Charles Warner, Jr.  
Farnham Warriner  
Nelson A. White

Contributors 50%  
Total for the year \$393.00

## 1924

Charles F. Bader, Jr.  
Hugh P. Brinton  
J. Stanton Carson  
Howard Comfort  
Thomas S. Ellis  
Edward Foulke  
Charles H. Frazier  
Harold D. Greenwell  
Gaylord P. Harnwell  
Paul R. Haviland  
Wesley M. Heliman  
Howard J. Hogenauer  
George W. Howgate  
Charles E. Nash  
Lawrence N. Taylor  
Edward P. VanTine  
W. Wycliff Walton  
W. Nelson L. West, III

Contributors 37%  
Total for the year \$567.00

## 1925

Conrad Acton  
Eric G. Ball  
Francis C. Barton, Jr.  
Robert C. Bates, Jr.  
Wray D. Bentley  
Geoffroy Billo  
Leigh E. Chadwick  
Douglass W. Elseman  
Martin Eshleman  
Thomas C. Garrett  
Edward L. Gordy  
C. William Haines  
J. S. Curtis Harvey, Jr.  
H. Richard Heilman  
William E. Hinrichs  
Irving Hollingshead  
Henry F. House  
Alfred P. Hulme  
Charles H. Johnson, Jr.  
Karl G. Kumm  
Edwin P. Laug  
Durrell L. Lord  
Hershal L. Macon  
Hugh Montgomery  
Frank F. Muller  
Jesse T. Nicholson  
Charles V. A. Pittman  
David J. Reinhardt, Jr.  
Owen B. Rhoads  
William D. Rogers  
James M. Sanders  
Albert E. Savage  
John L. Schulze, Jr.  
Charles C. Sellers  
John A. Silver  
Francis Mcl. Stifer  
Walter P. Stokes  
Henry E. Strong

L. Edward Taubel  
Harold B. Taylor  
George Thomas, IV  
Raymond M. Thomas  
Charles L. S. Tingley, Jr.  
Benjamin B. Warfield  
James R. Watson  
Stanley E. Willey  
Austin Wright  
Harman A. Yerkes

*Contributors* 81%  
*Total for the year* \$596.00

## 1926

Francis H. Ale  
Donald G. Baker  
Robert Barry, II  
Hugh Borton  
Alfred E. Buck  
John B. Calkin  
Francis F. Campbell  
Alexander R. Carman, Jr.  
Franklin O. Curtis  
Henry C. Evans  
Charles H. Greene  
Gerald C. Gross  
Edmund P. Hannum  
Dalzell F. Hartman  
Robert L. Hatcher  
Harris G. Haviland  
J. Dean Joly  
Winthrop M. Leeds  
Daniel C. Lewis, Jr.  
Benjamin H. Lowry  
Willard E. Mead  
Robert H. Richie  
Fred Rodell  
Paul L. Sassaman  
Charles E. Sumwalt  
Edward S. Wood, Jr.

*Contributors* 44%  
*Total for the year* \$288.00

## 1927

Addison J. Allen  
Samuel A. Armstrong  
James W. Baker  
Ward Bayles  
Samuel Cook  
Daniel M. Cox  
Leopold S. David  
Allan B. Fay  
John E. Forsythe  
Albert V. Fowler  
William O. Grover  
William S. Halstead  
John L. Heller  
Walter E. Huelle  
Arland I. Innes  
John C. Lober  
Paul W. Ohl  
Allen G. Powell  
Ira B. Rutherford  
Franklin Sanders  
S. Stansfeld Sargent  
Watson Scarborough  
W. Burr Totten

*Contributors* 43%  
*Total for the year* \$232.00

## 1928

The Class of 1928 special anniversary gift is reported on page 9.

## 1929

John E. Abbott  
William K. Alsop, Jr.  
William L. Beard  
John A. Bishop  
Samuel T. Brinton  
Roger C. Brown  
John R. Cooper  
Carroll L. Corson  
James G. Downward  
Herbert K. Ensworth  
John P. Fox  
George S. Garrett  
Thomas C. Gawthrop  
John G. Hartman  
Charles M. Hamilton  
Arthur S. Hawthorn  
Kenneth E. Kingham  
Davis D. Lewis  
Joseph E. MacNamee  
James S. Maier  
Ralph L. Miller  
Gerald F. Rorer  
Francis W. Sharpless  
Robert C. Sullivan  
Daniel D. Test, Jr.  
Richard G. Urban  
Alexander H. Ware  
Harold L. Wilt  
F. Howell Wright

*Contributors* 40%  
*Total for the year* \$323.00

## 1930

Bradford S. Abernethy  
John L. Blackman, Jr.  
B. Franklin Blair  
Richardson Blair  
Arthur H. Brinton  
T. Ward Bruegel  
D. R. Buxton  
Robert L. Dothard  
J. Richard Durham  
Theodore Evans  
Willem Ezerman  
W. Clark Hanna  
John Hymes  
Frank W. Lindsey  
Joseph W. Martin  
William M. Masland  
Irvin W. McConnell  
Brewster H. Morris  
J. Howard Morris, Jr.  
Theodore H. Morris, III  
Edward Rosewater  
Harlow B. Rowell  
Daniel Smiley, Jr.  
George Vaux  
Wilfred H. Wickersham  
Robert VanderVoort  
Thomas Wistar, Jr.  
Thomas Wiggins, Jr.

*Contributors* 40%  
*Total for the year* \$767.00

## 1931

Marion A. Arthur  
Richard C. Baker  
Henry G. Barnhurst  
J. Wendell Burger  
Thomas E. Burns, Jr.  
Reverend J. George Butler  
William E. Cadbury, Jr.  
S. Hall Conn  
Alfred R. Crawford  
George B. Edgar  
Robert F. Edgar  
F. W. Elliott Farr  
Robert L. Farr  
Robert W. Gabriel  
Donald L. Gibson  
John T. Golding  
John D. Gresimer  
Thomas B. Harvey  
Charles M. Henry  
James M. Houston  
Jonathan P. Jessop  
K. Ray Katz  
William M. Maier  
Adrian S. Mann  
Edward H. Mansell  
Lauman Martin  
Richard L. Masland  
Raymond E. Maxwell  
Arthur J. Mekeel  
Ivan C. Milbous  
Frank G. Nelson  
Charles S. Pennypacker  
W. Winfield Ray  
Herbert W. Reisner  
F. Mac D. Richardson  
Ellis C. Saint  
E. Allen Schilpp  
Carl A. Schopbach  
Harris Shane  
Phillip B. Shaw  
E. Rodman Shippen  
Edwin A. Speakman  
Frank N. Speller, Jr.  
Walter M. Teller  
Joseph T. Urban  
Ignatius M. Weiringer  
John H. Wills  
Evan M. Wilson

*Contributors* 67%  
*Total for the year* \$532.50

## 1932

Carl B. Allendoerfer  
Walter C. Baker  
Wilson Bennett  
William F. Brinton  
Richard D. Browne  
John W. Conner, Jr.  
Walter I. Dothard, Jr.  
J. Russell Elkinton  
Harry Fields  
Gifford P. Foley  
Herbert S. Gaskill  
George Gerenbeck, Jr.  
Barton Gummere, III  
C. Robert Haines  
Joseph N. Hartel  
John H. Hoag  
H. Gifford Irion  
Harry G. M. Jopson  
Lewis Kohn



Archibald McKinlay  
 William E. Miller  
 Ellis C. Osgood  
 Thomas I. Potts  
 William W. Pusey  
 Kendall E. Read  
 Joseph Rhoads  
 Arthur S. Roberts  
 Fred G. Rudge  
 Harold J. Schramm  
 Wallace M. Scudder  
 John W. Settle, Jr.  
 William V. Sipple, Jr.  
 Albert K. Smiley, Jr.  
 Franklin J. Smith  
 Dana M. Street  
 Charles S. Strickler  
 Allen M. Terrell  
 John R. Watkins  
 Rudolph M. Wertime  
 John A. Zapp, Jr.

*Contributors* 53%  
*Total for the year* \$560.00

### 1933

James Andrews, Jr.  
 Clarence P. Baker  
 William A. Battey, Jr.  
 Douglas H. Borgstedt  
 William D. Daub  
 Horace K. Dugdale  
 Charles E. Frank  
 Henry B. Gilbert  
 Luther S. Green, Jr.  
 Stephen T. Gulbrandsen  
 William F. Hardham  
 Charles S. Jacobs  
 R. Wilfred Kelsey  
 Bernard V. Lentz  
 John W. Masland, Jr.  
 John F. McMahon  
 Edward A. Moos  
 William H. Russell, Jr.  
 John R. Sargent  
 Henry Scattergood  
 Howard D. Sordon, Jr.  
 James N. Stanton, Jr.  
 W. Hooten Stokes  
 Robert W. Thompson  
 Frederick R. Van Denbergh, Jr.  
 Henry J. Vaux  
 David L. Wilson

*Contributors* 40%  
*Total for the year* \$263.50

### 1934

Robert C. Atmore  
 Lewis H. Bowen  
 Fritz K. Downey  
 Oliver F. Eggleston  
 (Now Deceased)  
 Louis W. Flaccus, Jr.  
 Grant V. Frazer  
 J. Morton Fultz, Jr.  
 Edward O. Gibbs  
 Leonard L. Greif, Jr.  
 William H. Haines, III  
 J. Ogden Hancock  
 Edward M. Hendrickson  
 Eugene F. Hogenauer  
 Hunt B. Jones

Frank L. Kennedy  
 J. Douglas Lockard  
 Benjamin S. Loewenstein  
 David G. Loomis  
 David H. Parsons, Jr.  
 Richard R. Pleasants  
 Norman J. Rush (In memory of  
 Calvin C. Rush)  
 Henry G. Russell  
 Roger Scattergood  
 Erwin Schmid  
 Arthur G. Singer, Jr.  
 Bruce D. Smith  
 William W. Smith  
 H. Miles Snyder  
 John C. Wilson  
 Frederick H. Wright  
 Willard M. Wright, Jr.

*Contributors* 40%  
*Total for the year* \$288.50

### 1935

William L. Azpell, Jr.  
 Clifton M. Bockstoce  
 Chapman Brown  
 B. Bartram Cadbury  
 John B. Christopher  
 Meredith B. Colket, Jr.  
 Charles B. Conn, Jr.  
 Woodruff J. Emlen  
 Frederick E. Foerster  
 William H. Harman, Jr.  
 Robert F. Hunsicker  
 E. Charles Kunkle  
 E. Wayne Marshall  
 Edward J. Matlack  
 Jackson K. Matthews  
 Allen R. Memhard, Jr.  
 Samuel Potter, Jr.  
 John B. Rhoads  
 Kimberley S. Roberts  
 Graham Rohrer  
 Frederick N. Rolf  
 Rowland G. Skinner  
 Philip P. Steptoe  
 William S. Stoddard  
 Francis J. Stokes, Jr.  
 Richard M. Suffern  
 William H. Tatem  
 C. Bradley Watkins  
 Alexander C. Wood, III

*Contributors* 37%  
*Total for the year* \$267.50

### 1936

Robert W. Baird, Jr.  
 Thomas R. Bevan  
 George B. Bookman  
 Robert Braucher  
 Donald W. Brous  
 Jonathan A. Brown  
 Thomas D. Brown  
 William R. Brown, III  
 Daniel F. Coogan, Jr.  
 William A. Crawford  
 Ellis I. Curley  
 Arthur S. Dulaney, Jr.  
 David C. Elkinton  
 Francis C. Evans  
 Grant C. Fraser  
 William R. Fry

Robert S. Gawthrop, Jr.  
 Milton F. Glessner, Jr.  
 John N. Goodridge  
 Henry S. Huntington, III  
 Arthur R. Kane, Jr.  
 Samuel Kind  
 Howard T. Lodge, Jr.  
 William H. Loesche, Jr.  
 William A. Macan, III  
 Lewis B. Maier  
 David K. Maxfield  
 Samuel S. McNeary  
 Park H. Miller, Jr.  
 W. Brooke Morgan, Jr.  
 Lloyd E. Morris, Jr.  
 Ralph C. Most  
 John L. Parker  
 Henry F. Parry  
 Harry T. Paxton  
 James G. Peirce  
 Charles Perry  
 Joseph D. Purvis, Jr.  
 John Sebastian  
 William E. Sheppard  
 Allen W. Stokes  
 Joseph H. Taylor  
 William F. Tiernan, Jr.  
 Henry L. Tomkinson  
 John Van Brunt, Jr.  
 Hubert M. Vining  
 Alexander C. Williams, Jr.  
 Robert B. Wolf  
 E. Gardiner Youtz

*Contributors* 64%  
*Total for the year* \$493.50

### 1937

William W. Allen, III  
 Thomas S. Barker, Jr.  
 William H. Bond  
 Samuel L. Borton, Jr.  
 R. Franklin Bratten  
 Stephen G. Cary  
 William H. Daudt  
 Henry S. Drinker, Jr.  
 William M. Dugdale  
 Hans B. Engelmann  
 Bruce H. French  
 Henry Freund, III  
 Roger L. Greif  
 Henry C. Gulbrandsen  
 Marshall C. Guthrie, Jr.  
 Charles E. Holzer, Jr.  
 James D. Hoover  
 Andrew D. Hunt, Jr.  
 W. Lawrence Kimber  
 Robert H. Kriebel  
 John A. Lester, Jr.  
 M. Albert Linton, Jr.  
 James H. Lockwood  
 John B. Lukens  
 Ralph H. McMahon  
 George Norris, Jr.  
 William A. Polster  
 William R. Reynolds  
 Joseph T. Rivers  
 Peter P. Rodman  
 Edward H. Rosenberry  
 Herbert W. Taylor, Jr.  
 J. Wallace VanCleave  
 Phillm M. Whitman  
 Carl E. Wilbur  
 Stephen V. Wilking  
 Jay W. Worrall, Jr.

*Contributors* 39%  
*Total for the year* \$381.00

## 1938

T. A. Benham  
Robert M. Bird, Jr.  
Richard S. Bowman  
Robert Burnside  
John T. Carson, Jr.  
Donald S. Childs, Jr.  
William H. Clark, Jr.  
Robert A. Clement  
Valery S. deBeausset  
Aubrey C. Dickson, Jr.  
W. William Duff, Jr.  
Charles R. Ebersol  
Samuel R. Evans  
Roderick Firth  
William N. Fraleigh  
George L. Hartenstein  
Louis B. Kohn, II  
William B. Kriebel  
Amos P. Leib  
Charles H. Ligon  
Henry C. Longnecker  
William H. Luden, Jr.  
George B. Mathues  
F. Huston McIlvain  
Elliott H. Morse  
Leonard F. Norsworthy  
Dikran S. Pakradooni  
Frank M. Ramsey, Jr.  
Clayton E. Ranck  
Lindley B. Reagan  
James L. Rich  
Leslie B. Schramm  
Philip R. Shank  
Jonathan M. Steere, Jr.  
Thomas C. Tatman  
Hubert R. Taylor  
Irving Telling  
William M. Webb  
E. Hambleton Welbourn, Jr.  
Laurence G. Wesson, Jr.  
Whittemore Whittler  
Edmund C. Wingerd, Jr.

Contributors 43%  
Total for the year \$386.00

## 1939

Robert B. Ackerman  
Robert L. Balderston  
William S. Bonham  
George D. Bown  
James H. Bready  
Henry H. Derr  
Jonathan Evans  
William E. Evans  
Robert Herr  
John A. Hoyer  
John E. Lewis  
Richard H. Lillie  
Charles F. Miller  
Alexander W. Moseley  
Charles E. Rankin  
Seymour S. Rice  
Craig M. Sharpe  
Laird H. Simons, Jr.  
Robert E. Spaulding  
Thomas B. Steiger  
John M. Sykes  
Gilbert P. Talbot  
J. Patrick Trench  
Thomas A. Watkins  
Maurice A. Webster, Jr.

Robert M. White  
Robert O. Whitson  
D. Norton Williams  
Samuel C. Withers, Jr.

Contributors 33%  
Total for the year \$441.00

## 1940

Henry P. Balivet, Jr.  
Arthur E. Brown  
Robert Dewees  
David P. Flaccus  
John E. Gross  
Hanford Henderson  
Alexander C. Hering  
John T. Hoffman  
Robert J. Hunn  
Samuel F. Johnson  
Samuel D. Kron  
F. Allen Lewis  
John M. Lindley, Jr.  
Elliott Mason  
Hayden Mason  
Parke D. Massey  
William F. McDevitt  
Charles K. Peters  
John T. Sharkey  
John W. Wiedler, Jr.  
Charles H. Wolfinger  
J. William Wood, Jr.

Contributors 33%  
Total for the year \$119.00

## 1941

Edward P. Allison, Jr.  
Stephen B. Andrus  
David B. Arnold  
Robert P. Arthur  
Arthur G. Ashbrook, Jr.  
H. Richard Blackwell  
Howard L. Blum  
Richard H. Bolster, II  
Eugene E. Botelho  
Daniel B. Boyer, Jr.  
Albert D. Branson  
John A. Buttrick  
Henry D. Cornman, III  
Hunt Davis  
John W. Dorsey  
Christopher Evans  
Robert W. Evans, Jr.  
Robert N. Evert  
Gerrett L. Ewing  
Louis J. Finger  
Edwin D. Grosholz  
R. Bruce Harley  
John C. Hawley  
Geoffrey Hemphill  
William L. Hires  
H. Kelman Holmes  
Andrew F. Inglis  
Benton D. King  
William A. Liddell, Jr.  
Thomas Little  
William K. Miller  
Tucker F. Morian  
George L. Mosse  
Samuel M. Murphey, Jr.  
J. Philip Neal  
Wilson H. Pile  
Robert E. Poush

Paul C. Rowland  
David W. Shoemaker  
Malcolm K. Smith, Jr.  
Robert H. Smith  
Samuel Snipes  
Leon Solis-Cohen, Jr.  
G. Ralph Strohl, Jr.  
Harry B. Stuart  
John B. Swigert  
Roy S. Vogt  
Kenneth W. Weyerbacher  
Kenneth A. Wright  
Howard E. Ziegler, Jr.

Contributors 60%  
Total for the year \$460.65

## 1942

Charles C. Abbott  
Warren D. Anderson  
E. Howard Bedrossian  
Burns Brodhead  
Norman S. Brous  
Knox Brown  
Roy A. Dye, Jr.  
Arthur Evans  
John D. Farquhar  
Edward Flaccus  
John A. Fust  
James F. Gary  
Thomas C. Gibb  
J. Jarden Guenther  
Gove Hambidge, Jr.  
Heber R. Harper, II  
Gordon W. Howe  
T. Canby Jones  
Richard Kay  
John S. Laughlin  
George C. Lewis, Jr.  
William B. Meldrum, Jr.  
Clyde K. Nichols, Jr.  
Thor N. Rhodin, Jr.  
Lewis P. Saxer  
William H. W. Skerrett, Jr.  
Franklin P. Sweetser  
David C. Thompson  
John D. Thomson  
Frank M. Weiskel  
Robert G. Winslow  
(In Memory of)  
W. Scott Worrall

Contributors 38%  
Total for the year \$222.00

## 1943

The Class of 1943 Gift is reported on page 33.

## 1944

C. W. Abbott of J.  
Ellsworth C. Alvord, Jr.  
George E. Bair  
Donald H. Baird  
John L. Balderston  
Horace N. Compton, Jr.  
William K. Conn  
Jodie D. Crabtree, Jr.  
Cassin, W. Craig

Frederick A. Curtis, Jr.  
 Daniel E. Davis, Jr.  
 (In memory of)  
 Henry R. Eager, Jr.  
 Charles E. Fox, Jr.  
 Thomas Elkinton  
 Maria Gildemeister  
 Jesse G. Grier  
 Allan W. Hamilton  
 Walter Hollander, Jr.  
 George D. Hopkins, II  
 John T. Hough  
 William McC. Houston  
 George W. Hubler  
 R. Fairless Jorden  
 (In memory of)  
 John S. Klein  
 John M. Krom  
 Daniel K. Miller  
 Gilbert H. Moore, Jr.  
 Warren Moore, Jr.  
 Robert W. Murphy  
 Arnold R. Post  
 H. Royer Smith, Jr.  
 David E. Stokes  
 Samuel E. Stokes, Jr.  
 Spencer R. Stuart  
 H. Craig Sutton, Jr.  
 Henry S. Villa  
 Richard W. Watkins  
 John S. Wires  
 Howard P. Wood  
 James H. Worl  
  
*Contributors* 48%  
*Total for the year* \$603.00

## 1945

Warren C. Baldwin  
 George A. Bartholomew  
 David E. Bassett  
 John P. Beardsley  
 John H. Bengé  
 Edward Block  
 Thomas Cartier  
 John R. Cary

Richard W. Cole  
 Mary E. Dasenbrock  
 Peter H. Deitsch  
 Paul H. Domincovich  
 Francis E. Fairman, III  
 Barton K. Feroe  
 Henry H. Fetterman  
 Richard T. Hamilton  
 Arthur R. Harned  
 David Y. Y. Hsia  
 Lewis M. Johnson  
 James R. Johnston, III  
 William L. Lehmann  
 David Mallery  
 Phillip C. Mann  
 Charles W. Matlack  
 Charles E. Pancoast, III  
 John W. Pierson, Jr.  
 Robert G. Pontius  
 Edmond Preston, III  
 Donald A. Purdy  
 Vernon M. Root  
 R. Bradley Royer  
 Herbert N. Slotnick  
 Albert T. St. Clair, Jr.  
 Augustus M. Tanaka  
 Christopher Van Hollen  
 Henry E. Vinsinger  
 Stacey H. Widdicombe, Jr.  
 James B. Wright  
 Llewellyn P. Young  
  
*Contributors* 64%  
*Total for the year* \$316.95

## 1946

Frederick H. Bartlett  
 Robert H. Bedrossian  
 Robert H. Behrens  
 Thomas M. Birdsall  
 William H. Chartener  
 Robert F. Clayton  
 Lewis E. Coffin  
 John P. Fell  
 Thomas P. Goodman  
 Paul M. Henkels, II  
 Theodore M. Hiltner  
 Walter Y. Kato

Bertram M. Kummel  
 George Montgomery, Jr.  
 James F. Mumma  
 Hans E. Petersen  
 Thomas J. Ryan  
 Charles C. Rylie  
 William E. Sherplick  
 Joseph Stokes, III  
 Frederick O. Wilhelm  
 Mrs. Lawrence Wylie  
 George M. Yamane  
  
*Contributors* 50%  
*Total for the year* \$187.00

## 1947

Ragnar Austad  
 Jules Bingham  
 Robert F. Doane  
 Israel M. Dowblnstein  
 George L. Nicklin, Jr.  
 Richard D. Rivers  
 Robert P. Roche  
 Daniel H. Wagner  
  
*Contributors* 23%  
*Total for the year* \$55.00

## 1948

Timothy Atkeson  
 William P. Barker, II  
 William F. Bouzarth  
 William H. Harris  
 Bruce M. Miller  
  
*Contributors* 38%  
*Total for the year* \$25.00

## Special Contribution

In memory of Sergei Thomas  
  
*Total for the year* \$77.00  
  
*Total* \$24,126.35

## SPECIAL GIFTS

1928

James W. Alcorn, Jr.  
 Henry S. Ambler  
 John C. Beatty, Jr.  
 Carl F. Berlinger  
 William R. Bready, III  
 Richard C. Bull  
 Frederick M. Burgess  
 Royal S. Davis  
 John T. Evans  
 John O. Fitzsimmons  
 E. Dean Flint  
 C. Keely Fox  
 W. Addison Fox, Jr.  
 Walter J. Gruber  
 A. Burtis Hallock, Jr.  
 William K. Hartzell  
 Theodore B. Hetzel  
 Richard L. Hillier  
 Nelson J. Hogenauer  
 Edward D. Hollander  
 Allen F. Horton  
 J. Quincy Hunsicker, III  
 John A. H. Keith, Jr.  
 J. McLain King  
 Richard T. Lane  
 William E. Livezey  
 John S. McConaghy  
 Gerald D. McDonald  
 Michael McEntee  
 Oliver W. Melchior  
 Richard F. Minnich  
 James E. Mitchell  
 Samuel B. Morrison  
 Henry S. Murphy  
 Alexander L. Nichols  
 Paul W. Nimmo  
 Eric H. Renwick  
 John Rex, Jr.  
 Jonathan E. Rhoads  
 Ingram H. Richardson  
 Donald W. Richie  
 Louis F. Richter  
 Charles A. Robinson  
 J. Cecil Rowe  
 Osman J. Seeds  
 Robert L. Shank  
 Phillip A. Sheaff, Jr.  
 Franklin W. Smith  
 Ellsworth B. Stevens  
 J. Tyson Stokes  
 Lawrence A. Tassi  
 Charles M. Tatum  
 Herbert F. Taylor  
 Allen C. Thomas, Jr.  
 Theodore H. A. Vanneman, III  
 Thomas S. Whiting  
 Theodore Whittelsey, Jr.  
 Richard Wistar  
 John W. Woll  
 Leonard E. Yoder

*Contributors* 100%  
*Total for the year* \$1,398.50

1934

Dr. Charles M. Bancroft  
 Robert H. Beaven  
 Lewis H. Bowen  
 Louis W. Flaccus, Jr.  
 Grant V. Frazer

Leonard L. Greif, Jr.  
 Dr. J. O. Hancock  
 Dr. Hunt B. Jones  
 Dr. J. Douglas Lockard  
 Robert M. McKee  
 Philip G. Richardson  
 Norman C. Rush  
 Henry G. Russell  
 Dr. Arthur G. Singer  
 H. Miles Snyder  
 Edwin C. White  
 F. H. Wright

*Total for the year* \$288.00\*

\*The above is in addition to the amount of \$563.41 received and reported in previous fiscal years.

## TRIANGLE SOCIETY MEMORIAL STANDS

Triangle Society

Triangle Society Haverford College Chapter

CLASS OF 1895

Frank H. Conklin  
 Henry M. Miller

CLASS OF 1897

Charles H. Howson

CLASS OF 1903

Arthur J. Phillips

CLASS OF 1908

Winthrop Sargent, Jr.

CLASS OF 1909

Allan J. Hill

CLASS OF 1921

John R. Hoopes

CLASS OF 1922

Robert Matzke

CLASS OF 1923

Andrew L. Lewis

CLASS OF 1924

Howard J. Hogenauer

CLASS OF 1929

David C. Bevan

Lionel C. Perrara

CLASS OF 1932

John W. Connor

CLASS OF 1938

Hubert Richie Taylor

E. Hambleton Wilbourn, Jr.

CLASS OF 1943

John M. Moon

CLASS OF 1948

William H. Harris

CLASS OF 1910

George A. Kerbaugh

CLASS OF 1918

M. D. Kerbaugh

CLASS OF 1917

Robert Gibson

*Contributors* 22

*Total for the year* \$2,300.00



# REPORT OF

## "LOAN FUND"

Established 1926

Report No. 22

August 31, 1948

### Current Year 1947-48

Cash Balance on hand, August 31, 1947 . . . . .			\$ 9,312.75
20 Loans repaid during year . . . . .			2,674.50
6 Partial payments on loan during year . . . . .			651.97
Interest received during year . . . . .			<u>369.73</u>
			\$13,008.95
Operating expenses:			
Printing forms. . . . .	\$ 59.40		
Collection fees. . . . .	<u>63.00</u>	\$122.40	
12 Loans made during year . . . . .		<u>1,555.00</u>	1,677.40
Cash balance on hand, August 31, 1948 . . . . .			11,331.55
Loans outstanding, August 31, 1948 . . . . .			7,509.89
Interest outstanding, August 31, 1948 . . . . .			<u>599.08</u>
Total Resources, August 31, 1948 . . . . .			<u>\$19,440.52</u>

### Total to August 31, 1948

Gifts and Donations . . . . .			\$28,131.14
383 Loans repaid . . . . .			56,743.05
491 Payments on Loan. . . . .			21,066.24
Interest Paid up . . . . .			14,109.44
Other sundry collections. . . . .			<u>50.02</u>
Total Receipts . . . . .			\$120,099.89
Repayments of Gifts and Donations . . . . .	\$21,708.05		
Loss on funds at Merion Title & Trust Co.. . . . .	582.01		
Expenses . . . . .	<u>141.96</u>		
Loans made . . . . .	<u>86,336.32</u>		108,768.34
Cash balance, August 31, 1948 . . . . .			11,331.55
Outstanding Interest to August 31, 1948 . . . . .			599.08
Outstanding Loans to August 31, 1948 . . . . .			<u>7,509.89</u>
Total Resources, August 31, 1948 . . . . .			<u>\$19,440.52</u>



## ENDOWMENT FUNDS

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### FUNDS FOR GENERAL PURPOSES

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#### GENERAL ENDOWMENT FUND

Founded in 1847 with subscriptions of \$50,000 by a number of Friends. Additions were made as follows: 1868, from an anonymous source, \$5,000; 1869, bequest of Ann Haines to increase the compensation of professors, \$2,670; 1870, bequest of Richard D. Wood, \$18,682.96; 1872, from William Evans, \$1,000; 1874, from executors of Jesse George, deceased, \$5,000; 1880, bequest of Dr. Joseph W. Taylor, \$5,000; 1901, legacy of Ann Williams, \$2,425.50; 1941, from children of Aubrey C. Dickson in his memory, \$300. Present book value, \$93,753.86. The income is used for salaries and scholarships.

#### JOHN FARNUM MEMORIAL FUND

Founded in 1878 by the heirs of John Farnum by gift of \$25,000 as a memorial to him. Added to in 1899 by legacy of \$10,000 from Elizabeth H. Farnum, widow of John Farnum. The income only is to be used to endow a "professorship of some practical science or literature." The chair of chemistry was designated as the "John Farnum Professor of Chemistry." The principal is held in the name of three Trustees for the benefit of The Corporation of Haverford College. Present book value, \$32,375.19.

#### JOHN M. WHITALL FUND

Founded in 1880 by bequest of \$10,000 from John M. Whitall, Sr. Present book value, \$10,252.18. The bequest is upon the condition that the art of drawing, especially mechanical drawing, shall be taught, and the income only is to be used, and for this purpose.

#### DAVID SCULL FUND

Founded in 1885 by bequest of \$40,000 from David Scull, Sr. Present book value, \$43,173.04. The income only is to be used to endow a professorship. The chair of biology was designated as the "David Scull Professor of Biology."

#### EDWARD L. SCULL FUND

Founded in 1865 by net bequest of \$9,500 from Edward L. Scull, '64. The legacy was added to the General Endowment Fund, but in 1888 it was set apart as a separate fund. Present book value, \$10,950.03. The income only is to be used. The bequest is free from any legally binding conditions, but it was the testator's desire "that some judicious means shall be employed by the Managers to further advise students on the subjects of diet and reading."

#### WISTAR MORRIS MEMORIAL FUND

Founded in 1892 by gift of \$5,000 in bonds by Mary Morris, widow of Wistar Morris, as a memorial to him. There are no restrictions. The income is used for general college purposes. Present book value, \$4,956.69.

#### ISRAEL FRANKLIN WHITALL FUND

Founded in 1896 by net legacy of \$9,667.83 from Israel Franklin Whitall. Present book value, \$10,388.86. The income only is to be used for the payment of professors or teachers.

### **JACOB P. JONES ENDOWMENT FUND**

Founded in 1897 by residuary legacy of Jacob P. Jones. This amounted when received to par value of \$279,021.60; book value, \$332,301.60, and sundry real estate. The real estate has all been sold, netting \$847,709.92. Present book value, \$1,253,930.25. The income only is to be used for general college purposes, and out of said income there shall be admitted a portion at least of the students either free of charge or at reduced rates. In accordance with this provision, about \$7,500 per annum is used for scholarships, and the balance of income for general college purposes. Jacob P. Jones' will contains the following: "My hope is that under the blessing and favor of God there will come from this source a revenue which shall be productive of growth and vigor in the institution as well as help at this critical period of their lives to many deserving young men of slender patrimony."

### **JOHN FARNUM BROWN FUND FOR THE STUDY OF THE BIBLE, BIBLICAL HISTORY AND LITERATURE, PHILOSOPHY, AND KINDRED SUBJECTS**

Founded in 1900 by the late T. Wistar Brown as a memorial to his son, John Farnum Brown, '93. The original gift was in cash and securities of a par value of \$43,000, shortly afterwards increased by further gifts of \$15,000. The founder made further gifts of cash and securities until 1915, the total being \$19,381 cash and \$48,500 par of securities with book value of \$41,490. His total gifts therefore had a book value of \$234,970.81. Of this, \$5,000 donated in 1910 is for endowment of prizes in Biblical History and in Philosophy. A portion of the income was capitalized each year to keep intact the full value of the fund until 1940 when this fund was included in the Consolidation of funds. Present book value, \$265,841.10. The income only is to be used for the purpose of making provision for the regular study of the Bible and Biblical History and Literature, and as way opens for religious teaching. In 1910, the scope and title of the Fund were enlarged to include "and Philosophy and Kindred Subjects." Income up to \$200 may be used for prizes in Biblical Literature and Philosophy.

### **ELLEN WALN FUND**

Founded in 1900 by legacy of \$10,000 from Ellen Waln. Present book value, \$10,711.80. There are no restrictions. The income is used for general college purposes.

### **CLEMENTINE COPE ENDOWMENT FUND**

Founded in 1904 by bequest of \$25,000 from Clementine Cope. There are no restrictions. The income is used for general college purposes. Present book value, \$20,710.06.

### **NATHAN BRANSON HILL TRUST**

Founded in 1904 by deposit with First National Bank and Trust Co., Minneapolis, Minn., trustee, of a paid-up life insurance policy for \$5,000 by Samuel Hill, '78, being in memory of his father, Nathan Branson Hill. The income is to be used to aid in the maintenance of Haverford College so long as it shall remain under the auspices of the Society of Friends. In 1931, Samuel Hill died and the policy realized \$5,039. Present book value, \$5,208.91.

### **JOSEPH E. GILLINGHAM FUND**

Founded in 1907 by bequest of \$50,000 from Joseph E. Gillingham. The testator said, "I request, but I do not direct, that part of the income of this legacy may be used for free scholarships for meritorious students." In accordance with this request, \$800 was until recently appropriated annually from the income for scholarships, the balance being used for general college purposes. Present book value, \$40,849.10.

### **HENRY NORRIS FUND**

Founded in 1907 by bequest of \$5,000 from Henry Norris. Present book value, \$5,671.42. There are no restrictions. The income is used for general college purposes.

### **ELIZABETH H. FARNUM FUND**

Founded in 1891. The original principal of this fund, amounting to \$10,000, was held by the Provident Trust Co. of Philadelphia under a deed of trust created by Elizabeth H. Farnum of Philadelphia. The income was first paid to a life tenant until 1914, when income first accrued to the College "for the payment of the salaries of teachers and professors by the said College employed." Under date of Ninth Month 18, 1944, upon petition of the Trustee, concurred in by the College, the Court of Common Pleas awarded the principal to the Corporation of Haverford College "to be administered by it for the purposes set forth in the deed of trust in accordance with the non-profit corporation law."

### **JAMES R. MAGEE FUND**

Founded in 1915 by bequest of \$10,000 from James R. Magee, '59, and added to in 1925, 1926, 1928, 1929, 1930, 1931, 1932, 1936, 1937, 1940, and 1944 by additional payments of \$29,182.84, \$1,694.84, \$499.31, \$499.68, \$488.85, \$207.33, \$400, \$250, \$100, \$449.89, and \$175.00. under his legacy. Present book value, \$43,382.69. There are no restrictions except that the income only is to be used. This is applied to general college purposes.

### **ALBERT K. SMILEY FUND**

Founded in 1915 by gift of \$1,000 from Daniel Smiley, '78, as a memorial to his brother, Albert K. Smiley, '49, and added to in 1924 and 1926. Present book value, \$1,445.31. There are no restrictions except that preference was expressed that the income only should be used. This is applied to general college purposes.

### **THE HINCHMAN ASTRONOMICAL FUND**

Founded in 1917 by bequest of \$10,000 par value securities from Charles S. Hinchman. Increased in 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, and 1936 by donations of \$28,926.95 from a friend of the College. Present book value, \$38,074.84. The income only to be used "to increase the salary of the astronomical professorship so as to provide a suitable instructor in the ennobling study of the heavens."

### **WALTER D. AND EDITH M. L. SCULL FUND**

Founded in 1918 by bequest of Walter D. Scull, whose death followed shortly after the death of his sister, Edith M. L. Scull. Each left his or her estate to the other, unless predeceased; in this latter case both American estates were left to Haverford College. Both were children of Gideon D. Scull, '43, and resided in England. Income accumulated before the receipt of the fund by the College amounted to \$16,887.66, of which \$15,078.51 was added to the principal of the fund. Present book value, \$168,196.24. The fund was created to establish a professorship of modern English constitutional history, and the chair has been designated as the Walter D. and Edith M. L. Scull Professorship of History.

### **ALBIN GARRETT MEMORIAL FUND**

Founded in 1919 by legacy of \$25,000 from Mary Hickman Garrett, in memory of her late husband, Albin Garret, '64. Present book value, \$25,795.00. There are no restrictions. The income is used for general college purposes.

### **ARNOLD CHASE SCATTERGOOD MEMORIAL FUND**

Founded in 1919 by gift of \$30,000 in securities from Maria Chase Scattergood in memory of her son, Arnold Chase Scattergood, of the Class of 1919, who died in his Junior year. The income only is to be used toward the payment of professors' salaries. Present book value, \$23,492.69.



## FRANCIS B. GUMMERE MEMORIAL FUND

Founded in 1920. This fund was started by a gift of \$25,000 from the late Miss Emily H. Bourne, of New York, conditional upon the raising of \$100,000 additional for an endowment of the Chair of English Literature in memory of her friend, Professor Francis Barton Gummere. A committee of alumni, consisting of J. Stoddell Stokes, '89, chairman; E. R. Tatnall, '07, treasurer; Hans Froelicher, '12, secretary; Charles J. Rhoads, '93; Alfred M. Collins, '97; Winthrop Sargent, Jr., '08, and Parker S. Williams, '94, working with President Comfort, organized a comprehensive campaign among the alumni and friends of the College to raise \$375,000 for this purpose and for increase of professors' salaries; the first \$100,000 of unspecified gifts was used to complete the Francis B. Gummere Memorial Fund to at least \$125,000, and the balance comprised the Isaac Sharpless Memorial Fund. Total, book value, \$120,991.54.

## ISAAC SHARPLESS MEMORIAL FUND

Founded in 1920. The alumni of the College conducted during 1920 a campaign for \$375,000 additional endowment for the College to make possible additional salaries to the professors. Appeal was made to found two new funds, the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund. The funds received, except where otherwise specified, were first applied to the completion of the former up to \$125,000 (see above). Specified gifts and donations thereafter received, were then applied to the Isaac Sharpless Memorial Fund. The income only is to be used for salaries of professors. Total book value, \$210,754.11.

## GENERAL EDUCATION BOARD FUND

The General Education Board of New York appropriated \$125,000 in 1920 to the campaign for increase of endowment when the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund, totaling \$375,000, were raised. Interest at five per cent was paid on the full sum for three years, and the \$125,000 in full payment was completed in 1926-1927. Total book value, \$121,480.36.

## HAVERFORD IMPROVEMENT FUND AND CONSOLIDATED CAMPUS HOUSES ACCOUNT

Founded in 1922 to hold the Corporation's undivided share in College Lane land and eight houses. This property was turned over to the Corporation free of debt on Third Month 17, 1922, and with same the then debt of the Corporation amounting to \$155,942.15 was liquidated. The fund started with an undivided interest of \$19,000. There was added in 1922, \$9,000; and in 1925, \$2,000. In 1926, \$5,000 of this fund was sold and the proceeds were appropriated for the alterations to Roberts Hall. The balance of this fund, \$25,000, was also used in 1927 for the same purpose. The income was used for general college purposes.

The College Lane land was purchased in 1886 for the benefit of the College by David Scull, Justus C. Strawbridge, Richard Wood and Francis Stokes, Managers of the College and now all deceased. With contributions raised by them and by mortgages on which they went on the bonds, funds were raised to build six dwelling houses, and two houses were built by the Corporation itself. From the income of the houses the debt against the properties was gradually reduced until it was entirely liquidated in 1919. The net income from 1919 until 1922, when the property was turned over to the Corporation, was applied toward the reduction of the Corporation's debt.

As of Ninth Month 1, 1944, all of these eight College Lane houses, together with seven houses which had been bought for the College and formed a part of the College debt, and nine other Campus houses which were owned free of debt, were consolidated at a combined valuation of \$281,331.70 into a new Campus Houses Account held by Consolidated Investment Account. There was a further investment of \$4,614.61 in #1 College Circle. A return of 4% interest is to be credited to income to the College and the balance of net income is to be applied in a building fund for the annual reduction of the investment, and/or to a depreciation reserve fund to cover extraordinary repairs. The book value has thus been reduced to \$271,294.67.

## **CENTENARY FUND**

Centenary Fund (1) was founded in 1926 by gifts to the College in anticipation of the one hundredth anniversary of its founding in 1833. There were no restrictions and the income was used for general college purposes until 1935, when the principal was used in the liquidation of debt.

In 1935 a further campaign among the Alumni was conducted under the direction of William M. Wills, '04, to add to the funds raised in commemoration of the Centenary. This was designated as Centenary Fund (2) but in 1935-1936 the payment of pledges to (1) were merged with (2) at the request of donors, and the two accounts are now considered as one.

During 1936-1937, \$9,000 additional donations were made by members of the Strawbridge family, and of these \$3,372.63 were transferred for the final cost of the William J. Strawbridge '94 Memorial Astronomical Observatory, and \$5,627.37 were set aside to establish the Strawbridge Observatory Maintenance Fund. Other additional gifts of \$16,017.04 were made in 1936-1937, \$7,700 in 1937-1938, \$2,150 in 1938-1939, and \$15 in 1939-1940 bringing the totals contributed to both funds to date, for the Observatory \$47,000, and for other uses \$145,947.55.

From the \$16,017.04, together with \$1,550 realized from a previous gift of an investment, the balance of the debt for pension contributions \$12,022.57 was met, \$5,544.47 was applied to the debt for accrued deficits, \$7,700 was applied to the operating year 1937-1938, and \$2,150 to that of 1938-1939, \$15.00 to that of 1939-1940, and \$11.34 for 1940-1941, and \$50 for 1943-1944.

There remained one investment in this fund not yet realized upon with a book value of \$231.06. At end of 1943-44 this was absorbed into Consolidated Investment Account, and the debt reduced further by \$231.06.

## **WILLIAM PENN FOUNDATION**

Started in 1926 toward a fund of \$120,000 to establish a chair or lectureship in Political Science and International Relations. This fund forms a part of the Centenary program to raise \$1,000,000. This foundation is to be devoted, at the discretion of the Managers, to providing adequate undergraduate instruction in the theory and practice of our own and other governments, in the history of past attempts to secure international agreements and in the methods by which good international understanding may be promoted and maintained. Book value to date, \$98,346.29.

## **WALTER CARROLL BRINTON MEMORIAL FUND**

Founded in 1920 by gift of \$5,000 by the family of Walter Carroll Brinton, Class of 1915, who died in France Twelfth Month 8, 1918, while engaged in Friends' Reconstruction Work. The fund sustained the Walter Carroll Brinton Scholarship until 1926-1927. It was then increased \$6,000 by further gifts of the founders, and at their request the purpose was changed from a scholarship fund to form a separately named fund of the William Penn Foundation, with its income to be used for the same objects. Present book value, \$13,610.80.

## **CORPORATION FUND**

Founded in 1928 by setting aside \$70,000 of proceeds from sale of 5.811 acres of land on the southern boundary and at the southeastern corner of the College farm. In 1937, the fund was increased \$8,810, being proceeds of the sale of 1.762 acres of land to the Philadelphia Skating Club and Humane Society for their new ice skating rink. Present book value, \$77,093.02. The fund is invested and the income used for general college purposes, until otherwise directed by the Managers.

## **ELIZABETH J. SHORTRIDGE FUND**

Founded 12 Month 22, 1930, by bequest from Elizabeth J. Shortridge, without restrictions. Until otherwise directed by the Managers, the income only is used for general purposes. Present book value, \$9,635.43.



### HOWARD COMFORT MEMORIAL FUND

Founded in 1934 and added to in 1935, 1936, and 1937 by donations totaling \$5,000 from President William Wistar Comfort in memory of his father, Howard Comfort, Class of 1870, who was a Manager from 1880 until his death in 1912, and Secretary of the Board of Managers from 1884 until 1908. The income only is to be used, and for general purposes. Present book value, \$4,844.02.

### EMMA RIDGWAY COMLY FUND

Founded 1935 by bequest of \$50,000 from Emma Ridgway Comly, a Philadelphia Friend. The bequest was unrestricted as to both principal and income. The income is used for general purposes. Present book value, \$48,165.07.

### ELLEN W. LONGSTRETH FUND

Founded 1935 by bequest of \$20,000 and her residuary estate from Ellen W. Longstreth, a Friend belonging to Haverford Meeting, and living in Bryn Mawr. The principal and income are both unrestricted. The bequest of \$20,000 and residuary \$84,416.28 in 1935-36, together with further realization on residuary assets, viz. \$3,338.69 in 1936-37, \$73.33 in 1938, \$166.80 in 1942-43, and \$258.00 in 1943-44 and in 1947-1948, \$10,785.65 additional was received upon the death of a life tenant of a trust, making a total of \$119,038.75. Present book value, \$113,756.89.

### ALBERT L. BAILY FUND

Founded in 1936 by an unrestricted bequest of \$5,000 from Albert L. Baily, '78. The income is used for general purposes. Present book value, \$4,817.71.

### ELIZABETH B. WISTAR WARNER FUND

Founded First Month 16, 1937, by unrestricted bequest of \$4,950 from Elizabeth B. Wistar Warner, of Germantown, widow of George M. Warner, '73. The income is used for general purposes. Present book value, \$4,769.54.

### T. ALLEN HILLES BEQUEST

Founded First Month 19, 1937, by receipt of the proceeds of a trust fund created in 1935 by T. Allen Hilles, class of 1870, formerly of Wilmington, Delaware, recently of Glen Mills, Pa., who died 11th Month 15, 1935. The amount received in stocks and cash was \$285,000. Proceeds of mortgages of \$7,460.94 in 1938, and final cash from executor in 1939 of \$1,603.37 brought the gross total to \$294,064.31. From this was deducted in 1939 the final settlement of taxes and fees totalling \$13,300, thus making the final net bequest \$280,764.31. Accumulated income of \$12,489.77 was also received on First Month 19, 1937. In the trust created by the donor in 1935 he provided: "The gift to Haverford College shall constitute a fund to be known as 'The Hilles Bequest,' and the income shall be used for repair, upkeep and improvement of the building which I have given to Haverford College known as the Hilles Laboratory of Applied Science of Haverford College. My purpose in making this gift is primarily to relieve the Corporation of Haverford College from any additional expense on account of the erection of the building which I have given them, and the accompanying expansion of its educational activities, but whenever and if the Board of Managers or other governing body of the College shall determine it to be for the best interest of the College to devote the whole or any part of the income of the fund to uses other than those above specified, such income may be applied to such uses and in such manner as the Board of Managers or other governing body may in its absolute discretion determine." Present book value, \$270,528.30.

### LEONARD L. GREIF, JR., AND ROGER L. GREIF FUND

Founded Ninth Month 29, 1937, by gift of \$1,000 from Leonard L. Greif, '34, and Roger L. Greif, '37, of Baltimore. The gift was unrestricted, but the Managers have set aside this fund as endowment for general purposes, the income only to be used, until otherwise determined by them. Further gifts of \$1,000 from each of the above donors were made in 1947-1948.

### **EDWARD M. WISTAR FUND**

Founded First Month 9, 1938, by gift of \$2,500 from Edward M. Wistar, '72. for endowment, the income only to be used for general purposes. Present book value, \$2,408.86.

### **TRIANGLE SOCIETY ENDOWMENT FUND**

In 1934, the Triangle Society set up a plan of taking out insurance policies on the lives of some of its younger members. To date ten such policies have been issued, nine for \$500 each and one for \$1,000, with the College as beneficiary.

The actual fund was opened in 1945-46 with \$500, proceeds on the life of H. Conrad Atkinson, '40, who was lost in the Pacific in 1942 while serving in the Air Corps. Present book value, \$500.

### **MORRIS E. LEEDS FUND**

Founded Sixth Month 26, 1941, by gift of 400 Participating Shares of Leeds and Northrup Stock Trust. Value \$40,000.00. The fund is unrestricted as to principal and interest, but was ordered by the Managers, until otherwise directed, to be included among the funds for General Purposes, the income only to be used. This fund is subject to an annuity of \$1,600, during the life of its donor. Present book value, \$39,428.52.

### **J. HENRY SCATTERGOOD FUND**

Founded Tenth Month, 1941, by donations totaling \$1,660, made by members of the Board of Managers in recognition of the services for 25 years of J. Henry Scattergood, '96, as Treasurer of the Corporation of Haverford College. A further gift of \$340 was made in 1943-44.

The income of this fund is to be used in the field of International Relations and to be at the disposal of the President of the College and the William Penn Professor holding the Chair in Political Science and International Relations. If the income in any year is not used for the special purposes as stated, in the discretion of the President, it may be used for general purposes. It is further provided that after Tenth Month 1, 1951 the use of the fund for other purposes, both as to principal and income, shall be subject to the direction of the Board of Managers of Haverford College.

### **PARKER S. WILLIAMS FUND**

Founded Tenth Month 1, 1947, by unrestricted bequest of \$100,000 under the will of Parker S. Williams, Class of 1894, of Villanova, Pa., who died in 1942. The actual amount received from the executors was \$103,993.26, due to the increased value of certain investments, which were held, instead of being converted, under an agreement with the College. Income was paid to the College from time to time until the receipt of the bequest.

### **W. PERCY SIMPSON TRUST**

#### **Provident Trust Co. and William J. Clark, Trustees**

This perpetual Trust was established under the will of W. Percy Simpson, Class of 1890, who died Second Month 19, 1938. The will provides that one fourth of the net income from the residuary estate, after the death of his widow (who died in 1940), and of his son (who died in 1946), shall go to two grandchildren, and of the remaining three quarters one tenth shall go to Haverford College. Thus Haverford's share of the income now is 3/40th. The income comes partly from securities but largely from Texas Oil Royalties and rentals. Of the present income as estimated by the Trustees, Haverford's share is about \$1,875 per annum.

The will further provides "without imposing any obligation upon Haverford College, I recommend to it the advisability of expending the moneys which shall from time to time come to it under this will or so much thereof as may be required, for the examination and analysis of applicants for admission to the College with respect to their mental, physical and general qualifications, and of students therein for the purpose of determining the field of activity best suited to the individual."

The will further provides that whenever a vacancy shall occur by the death

or resignation or otherwise of the individual Trustee, the selecting of a new Trustee shall be done by the governing body of Haverford College, and that if the College fails to perform this duty, the payment of further income to it shall terminate.

#### **CLARENCE W. BANKARD FUND**

Founded Second Month 10, 1948, by unrestricted bequest from Clarence W. Bankard, Class of 1901, of Philadelphia, amounting to \$4,305.01. The Board until otherwise ordered, set up a new fund for general purposes unrestricted as to principal and income.

#### **GILBERT C. FRY FUND**

Founded Fourth Month 2, 1948, by an unrestricted gift of \$1,000 U.S. Treasury Bond from Gilbert C. Fry, of Germantown, Philadelphia, Class of 1923, in remembrance of his 25th anniversary of graduation. A new fund was set up and until otherwise ordered by the Managers, the income only will be used for general purposes.

#### **DANIEL B. BOYER FUND**

Founded Third Month 3, 1948, with an initial gift of \$2,500 in stock from Daniel B. Boyer, Boyertown, Pa., Class of 1911. The donor's letter states: "It is my desire that the income from the stock be allocated for faculty use. If present reduced College income is not sufficient to cover current faculty needs, the Board of Managers should not hesitate to sell the shares and apply the proceeds for that purpose." A new fund was set up, and until otherwise ordered by the Managers, the income only will be used for faculty salaries.

#### **MARY K. COMLY FUND**

Founded Sixth Month 29, 1948, by unrestricted bequest of Mary K. Comly, of Philadelphia, of \$35,000. A new fund was set up, and until otherwise ordered by the Managers, the income only is to be used for general purposes.

#### **HENRY C. BROWN FUND**

##### **Pennsylvania Co. for Banking and Trusts, Trustee**

Founded Eighth Month 18, 1948, by bequest of estimated value of \$183,000 from Henry C. Brown, of Philadelphia, ex Class of 1866, to the Pennsylvania Co., in trust for benefit of Haverford College. The will provides that the income is to be used for current expenses. The will further provides that "the said College shall have power in its discretion to use a portion of the principal of the said trust estate not exceeding in any one year twenty per cent of the original fund for permanent purposes such as buildings, books and equipment proper for conducting the work of instruction and education."

The Managers have not as yet made any requisition to the Trustee for any share of the principal of the Trust.

#### **FUND FOR GRADUATE SCHOOL**

##### **MOSES BROWN FUND**

A trust founded by T. Wistar Brown, in 1906, as a memorial to his father, Moses Brown. Transferred to the College in 1916 after his death, having at that time a par value of \$372,821.91 and book value of \$318,823.56. Present book value, \$349,719.30. The fund was created to establish a graduate course in religious study in harmony with and supplementary to the teaching and study provided for by the John Farnum Brown Fund. The income only is to be used; at least ten per cent of the total income must be capitalized each year. The unused income, if any, is likewise capitalized at the close of each fiscal year. The graduate school supported by the Moses Brown Fund was designated "The Thomas Wistar Brown Graduate School." In 1927 the former separate school was discontinued and eight graduate scholarships were created.



In 1937-1938, arrangements were first made for cooperation in courses with Pendel Hill, a school for religious education under the care of Friends, located at Wallingford, Pa.

## **FUNDS FOR INFIRMARY**

### **INFIRMARY ENDOWMENT FUND**

Founded in 1911 from subscriptions totaling \$9,072.55, raised among alumni and friends of the College. The income is used toward the expenses of the Morris Infirmary. Present book value, \$9,301.50.

### **JOHN W. PINKHAM FUND**

Founded in 1911 by legacy of \$5,000 from Dr. John W. Pinkham, '60, being transmitted by gift from his widow, Cornelia F. Pinkham. There are no binding conditions, but as she expressed an interest in the Morris Infirmary, then building, the Board of Managers directed that the income of this fund should be used in the support and maintenance of the Infirmary. Present book value, \$4,875.05.

## **FUND FOR HAVERFORD UNION**

### **HAVERFORD UNION FUND**

Founded in 1920 by gift from the former Haverford Union Members of \$1,000 par value of bond at book value of \$800 and \$678.59 cash, and all the personal property in the Union from the Haverford College Union. The College assumed the responsibility for the care of the building First Month 16, 1920. The income is used toward the maintenance of the Union building. Present book value, \$1,810.33.

## **FUNDS FOR SCHOLARSHIPS**

### **THOMAS P. COPE FUND**

Founded in 1842 by gift of sixty shares of Lehigh Coal and Navigation Co. stock, par value \$3,000, from Thomas P. Cope. Present book value, \$5,066.13. The income only is to be used "for the education of young men to qualify them to become teachers, but who are not of ability to pay their own schooling." This fund sustains the Thomas P. Cope Scholarships.

### **EDWARD YARNALL FUND**

Founded in 1860 by bequest of \$5,000 from Edward Yarnall. Present book value, \$5,847.96. The income only is to be used for "the support of free scholarships." The fund sustains the Edward Yarnall Scholarships.

### **ISAIAH V. WILLIAMSON FUND**

Founded in 1876 and increased in 1883 by gifts of sundry ground rents from Isaiah V. Williamson. Present book value, \$19,094.90. The income only is to be used for free scholarships. The fund sustains the Isaiah V. Williamson Scholarships.

### **RICHARD T. JONES SCHOLARSHIP FUND**

Founded in 1885 by bequest of \$5,000 from Jacob P. Jones as a memorial to his late son, Richard T. Jones, '63. The income only to be used to sustain the "Richard T. Jones Scholarship." Present book value, \$4,871.92.

### **MARY M. JOHNSON SCHOLARSHIP FUND**

Founded in 1897 by bequest of \$5,000 from Mary M. Johnson. Accrued interest before payment to the College increased the fund by \$3,062.95. The bequest was to establish a "perpetual scholarship." The fund sustains the Mary M. Johnson Scholarships. Present book value, \$6,757.92.

### **SARAH MARSHALL SCHOLARSHIP FUND**

Founded in 1897 by bequest of \$5,000 from Sarah Marshall. Accrued interest before payment to the College increased the fund by \$2,589.49. The bequest was to establish a "perpetual scholarship." The fund sustains the Sarah Marshall Scholarships. Present book value, \$7,631.02.

### **CLEMENTINE COPE FELLOWSHIP FUND**

Founded in 1899 by gift of \$25,000 from Clementine Cope. The gift was to establish the "Clementine Cope Fellowship Fund to assist worthy and promising graduates of Haverford College in continuing their course of study at Haverford or at some other institution of learning in this country or abroad." The selection of the Fellows is made by the Board of Managers upon nomination by the Faculty. Present book value, \$22,012.96.

### **ISAAC THORNE JOHNSON SCHOLARSHIP FUND**

Founded in 1916 by gift of \$5,000 from Isaac Thorne Johnson, '81. Present book value, \$8,454.71. The gift was to establish "The Isaac Thorne Johnson Scholarship to aid and assist worthy young men of Wilmington Yearly Meeting or of the Central West to enjoy the privileges of Haverford College." Unused income is added to the principal of the fund.

### **CASPAR WISTAR MEMORIAL SCHOLARSHIP FUND**

Founded in 1920 by gift of Edward M. and Margaret C. Wistar of \$5,000 par value in bonds in memory of their son, Caspar Wistar, of the Class of 1902, who died in Guatemala in 1917 while engaged in mission service in that country. The income only is to be used for scholarships, primarily for sons of parents engaged in Christian service, including secretaries of Young Men's Christian Associations, or students desiring preparation for similar service in America or other countries. Present book value, \$2,843.61.

### **J. KENNEDY MOORHOUSE SCHOLARSHIP FUND**

Founded in 1926 by gifts totaling \$3,000, with \$1,000 added in 1926, and \$1,000 in 1928 and \$1,000 in 1929 from the Class of 1900 in memory of their classmate, J. Kennedy Moorhouse. The scholarship provided by this fund is "to be awarded, whenever a vacancy shall occur, to the boy ready to enter the Freshman class, who in the judgment of the President of the College appears best fitted to uphold at Haverford the standard of character and conduct typified by J. Kennedy Moorhouse, 1900, as known to his classmates: A man, modest, loyal, courageous, reverent without sanctimony; a lover of hard play and honest work; a leader in clean and joyous living." Present book value, \$4,967.88.

### **LOUIS JAQUETTE PALMER SCHOLARSHIP FUND**

Founded in 1928 by gift of \$5,000 from Triangle Society, as follows:

"The Triangle Society of Haverford College herewith presents to the Corporation of Haverford College, a fund of Five Thousand Dollars (\$5,000) to be hereafter known and designated as the 'Louis Jaquette Palmer Scholarship Fund';

"This fund represents contributions from the members of the Triangle Society of Haverford College who have been thus inspired to perpetuate the memory of their fellow member, Louis Jaquette Palmer, of the Class of 1894, one of the founders of the Triangle Society, whom they admired for his cooperative spirit and constructive interest in student and community welfare. The fund is placed with the Corporation of Haverford College with the understanding:

"That such student shall be selected from a list of those eligible for entrance to Haverford College, who shall have combined in his qualifications the fulfillment of such conditions as apply to applicants for the Rhodes Scholarships under the terms of its creation, and furthermore that the student so selected and entered in Haverford College may continue to receive said scholarship fund throughout his course at College, subject to the approval of the Committee, otherwise preference shall be given to applications for the Freshman Class;



"That the selection of said student and the determination of the qualities and conditions hereinbefore mentioned shall be subject to the decision and control of a committee of three (3), which committee shall be composed of two (2) members of the Triangle Society and the President of Haverford College, the said members of the Triangle Society to select and recommend the applicants and the committee as a whole to determine their qualifications and eligibility.

"Finally, in the event that no student is selected by the Triangle Society or that a vacancy occurs, the income from said funds and any additions shall accumulate as provided under the customary rules and regulations of the Corporation of Haverford College." Present book value, \$4,817.71.

### **PAUL W. NEWHALL MEMORIAL SCHOLARSHIP FUND**

Established in 1931 by bequest of \$5,045.60 from Mary Newhall in memory of her father, Paul W. Newhall, a Manager, 1844-48, for the establishment of a scholarship fund. The income only to be used for free scholarship purposes. Present book value, \$4,861.65.

### **ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIP FUND**

Founded in 1935 by gift of \$750. \$2,000 each year, 1936 to 1940, and in 1942; \$2,500 in 1941; \$1,000 in 1943; \$1,000 in 1944; \$2,000 in 1945; and \$2,000 in 1947-1948, by Harry M. Zuckert, New York, in memory of his son, Robert Martin Zuckert, of the Class of 1936, who was killed in an accident in June, 1935. The income is to be used for scholarships and the donor said, "I should prefer a boy who is a native of New York or Connecticut and who now resides in one of those States." Present book value, \$20,813.65.

### **SAMUEL E. HILLES ENDOWMENT**

#### **CREATED BY MINA COLBURN HILLES**

Founded in 1935 by gift of \$5,000 from Mrs. Mina Colburn Hilles, of Orlando, Fla., in memory of her husband, Samuel E. Hilles, Class of 1874, formerly of Cincinnati, who died in 1931. This fund was created under a trust deed with Central Title and Trust Co., Orlando, Fla., to whom annual reports are to be made. The income only is to be used for scholarships for worthy students who are unable to finance their expenses at Haverford College. Present book value, \$4,834.39.

### **CLASS OF 1913 SCHOLARSHIP FUND**

Founded Fourth Month 15, 1937, by gift of \$3,000 from Class of 1913 for the endowment of scholarship aid. The income only is to be used for scholarship aid, to be awarded annually to a worthy student of any undergraduate class. Preference is to be given to sons of members of the Class of 1913 who may apply and who meet the usual requirements of the College. Present book value \$2,890.62.

### **THE AUGUSTUS TABER MURRAY RESEARCH SCHOLARSHIP FUND**

Founded Fifth Month 31, 1939 by gift from two anonymous friends of Dr. Augustus Taber Murray, '85, by gifts of \$20,000 par value of securities subject to annuity during their lives, and with permission to use principal for the annuity payments, if necessary.

Upon the deaths of the two annuitants, the remaining principal shall be held in a fund, the "Income to be used for scholarships in recognition of the scholarly attainments of Augustus Taber Murray, a distinguished Alumnus of Haverford College, of the Class of 1885, and for many years a professor of Leland Stanford University, the fund to be known as 'The Augustus Taber Murray Research Scholarship.' Then scholarships in English literature or philology, the classics, German literature or philology (in order of preference) shall be awarded upon such terms and conditions as the College may from time to time establish to students who have received the bachelor's degree at Haverford College, and shall be awarded for the purpose of study in other institutions toward the degree of Doctor of Philosophy or such degree as may in the future correspond to that degree."

The amount of the Scholarship is to be \$900 a year whenever awarded, and only unmarried students are eligible to hold it. Present book value, \$22,460.12.

## THE CLASS OF 1917 SCHOLARSHIP FUND

Founded Seventh Month 13, 1942, by initial gift of \$2,000.00 from the Class of 1917, John W. Spaeth, Jr., Treasurer, as a Twenty-fifth Anniversary Gift. A further gift of \$250.00 was made at the same time to cover the first two years of a scholarship of \$125.00 per year. Preference is to be given to a son of a member of the Class of 1917. The income only is to be used for a scholarship to the extent of \$150.00 per annum. This was increased to \$200.00 per annum in 1947-1948. Further contributions from the members of the Class of 1917 are to be applied in the following order:

(1)—To supplement the annual income from the principal sum of \$2,000.00, so that the annual scholarship stipend shall be \$150.00 (increased to \$200 in 1947-48), or as near that sum as may be;

(2)—To add to the principal sum any surplus of these annual contributions not needed to serve the purpose of (1). Since the scholarship stipend for the years 1942-1943 and 1943-1944 was already provided for by the additional \$250.00 already contributed by the Class of 1917, the annual contributions from the Class in these two years was added at once to the principal sum of \$2,000.00, thus serving the purpose of (2) above. Further contributions of \$500 were made in 1944-1945; \$425 in 1945-1946; \$810 in 1946-1947; and \$985 in 1947-1948. Present book value \$5,734.85.

## DANIEL B. SMITH FUND

Founded Tenth Month 6, 1943 by gift of \$2,500 from Anna Wharton Wood, of Waltham, Mass., who died in 1944. This was increased Fifth Month 24, 1945 by a bequest of \$2,500 made by Miss Esther Morton Smith, of Germantown, Philadelphia, who died Third Month 18, 1942.

This fund is established by the granddaughters of Daniel B. Smith "in loving memory of their grandfather and his intimate association with the early years of the College."

The income is to be used, in the discretion of the Faculty as an annual scholarship for some young man needing financial aid in his College course. Preference is to be given to a descendant of their father, Benjamin R. Smith, if any such should apply. Present book value, \$5,000.00.

## SARAH TATUM HILLES MEMORIAL SCHOLARSHIP FUND

Founded Eleventh Month 1, 1943 by bequest of \$75,534.58 from Joseph T. Hilles 1888, in memory of his mother "Sarah Tatum Hilles."

The will directs that the income be used "to provide for such number of annual scholarships of \$250 each as such income shall be sufficient to create"; they are to be awarded by the Managers upon "needy and deserving students," and to be known as "Sarah Tatum Hilles Memorial Scholarships."

It is estimated that twelve scholars can be thus provided for at present. Present book value \$75,534.58.

## ELIHU GRANT MEMORIAL SCHOLARSHIP FUND

Established Second Month 2, 1944 by gift of \$200 from Mrs. Elihu Grant to supplement the simultaneous transfer of \$803.73 to this new fund from Donations Account, being the balance of Donations made by Dr. Grant during his lifetime to the Beth Shemesh account, and \$75.00 realized from the sale of some of his books. Mrs. Grant has made a further gift of \$1,000 in 1943-44 and \$2,000 in 1944-1945. And, Grant Foundation, Inc., gave \$10,000, also in 1944-45. Mrs. Grant made a further gift of \$1,000 in 1945-46.

With the donor's approval, the terms of the fund are as follows:

"Founded in 1944 to commemorate the service to Haverford College of Dr. Elihu Grant, from 1917 to 1938, a member of the College faculty. The income from this fund is applied to scholarship assistance to students in the Humanities, primarily those specializing in the study of Biblical Literature and Oriental subjects,

and is limited to those whose major subject has been approved by the College faculty. In special circumstances the income may be utilized to assist those working for a post-graduate degree at Haverford College."

If conditions change, the Managers are given power to change the use of the fund. Present book value, \$15,078.73.

### **CHRISTIAN FEBIGER SCHOLARSHIP FUND**

Founded Sixth Month 13, 1946 by a gift of \$8,000.00 from Madeleine Seabury Febiger, of Philadelphia, in memory of her husband, Christian Febiger, Class of 1900.

The income only is to be used in paying the tuition or other college expenses of worthy, needy students at Haverford College. Present book value, \$8,000.00.

### **JOSEPH L. MARKLEY MEMORIAL SCHOLARSHIP FUND**

Founded 2nd Month 10, 1947 by gift of \$5,000.00 from Mrs. Mary E. B. Markley of Ann Arbor, Michigan, widow of Joseph L. Markley, A.B. '85, M.A. '86, who was Professor of Mathematics at University of Michigan. The gift was made "to be held as an endowment fund in memory of Joseph L. Markley of the Class of 1885. The income of which is to be granted each year, in the discretion of the faculty, as a scholarship to some student on the basis of character, scholarship and financial need."

### **JOSEPH C. AND ANNE N. BIRDSALL SCHOLARSHIP FUND**

Founded 2nd Month 24, 1947 by initial gift, of \$10,000 from Dr. Joseph C. Birdsall of Haverford, "for the establishment of a new fund to be known as "Joseph C. and Anne N. Birdsall Scholarship Fund, the income only to be granted each year, in the discretion of the faculty of Haverford College, as scholarship aid to some student or students of Haverford College who are preparing for medicine,—the selection to be upon the basis of character, scholarship and financial need." Further gift 1947-48 \$5,000. Present book value \$15,000.

### **DANIEL E. DAVIS, JR., MEMORIAL SCHOLARSHIP FUND**

Founded by gifts made First Month 20 and Second Month 17, 1948, totalling \$3,000, by Mr. and Mrs. Daniel E. Davis, of Sewickley, Pa., to establish the Daniel E. Davis, Jr., Memorial Scholarship Fund, in memory of their son, ex Class of 1944, who was killed in aerial warfare in the Pacific.

The income from the fund is to be granted each year, in the discretion of the Faculty, as a scholarship to some student on the basis of character, scholarship and financial need.

## **FUNDS FOR THE LIBRARY**

### **ALUMNI LIBRARY FUND**

Founded in 1863 by contributions from the alumni and other friends of the College. In 1909 the unexpended balance (about \$5,000) of a fund of \$10,000 raised in 1892, and known as the "New Library Fund," was merged into the Alumni Library Fund. Present book value, \$16,799.42. The income is used for binding and miscellaneous expenses of the Library.

### **MARY FARNUM BROWN LIBRARY FUND**

Founded in 1892 by gift of \$20,000 from T. Wistar Brown, executor of the Estate of Mary Farnum Brown. Additions were made by T. Wistar Brown in 1894, \$10,000 for a lecture fund, and in 1913, \$20,000. In 1916, after T. Wistar Brown's death, there was added to this fund \$34,499.78 par value of securities, book value, \$30,149.78, being a trust which he had created for this purpose in



1908 and to which he had made additions in subsequent years. Present book value, \$65,410.51. The purpose of this fund (except \$10,000) is for the increase and extension of the Library. The income only is to be used for the purchase of books, and one-fifth of same is to be spent for books promoting the increase of Christian knowledge. The books purchased with the income of this fund are marked by a special book-plate. The income of \$10,000 of the fund is to provide for an annual course of lectures upon Biblical subjects designated "The Haverford Library Lectures." Unused income from the fund, if any, must be capitalized at the end of each fiscal year.

#### **WILLIAM H. JENKS LIBRARY FUND**

Founded in 1910 by gift of \$5,000 from Hannah M. Jenks, widow of William H. Jenks. The fund was first known as "Special Library Fund," but after the death of Hannah M. Jenks was changed, in 1916, to "William H. Jenks Library Fund." The purpose of this fund is that the income shall be used for the care of the collection of Friends' books made by William H. Jenks and given by his widow to Haverford College, and to make appropriate additions thereto. Any income not used for these purposes may be used toward the general needs of the Library. Present book value, \$4,817.71.

#### **MARY WISTAR BROWN WILLIAMS LIBRARY FUND**

Founded in 1914 by gift of \$20,000 from Parker S. Williams, '94, as a memorial to his late wife, Mary Wistar Brown Williams. The income only is to be used for the purchase of books for the Library, preferably books coming within the classes of history, poetry, art, and English and French literature. The books purchased with the income of this fund are marked by a special book-plate. Present book value, \$19,466.40.

#### **ANNA YARNALL FUND**

Founded in 1916 by residuary bequest of \$13,000 par value of securities with book value of \$7,110, and one-half interest in suburban real estate from Anna Yarnall. Additional amount under bequest was received in 1918. Present book value, \$166,842.34. The real estate was sold in 1923 and netted the College \$164,820.50. The bequest was made for the general use of the Library. The Testatrix says, "I do not wish to restrict the managers as to the particular application of this fund, but desire them to use the income arising from it as in their best judgment and discretion shall seem best, for the purchase of books and manuscripts, book cases, rebinding of books, and, if need be, the principal or portions thereof, or the income or portions thereof, for additions to the present Library building, or the erection of new Library buildings. I direct that all books purchased with this fund shall be plainly marked 'Charles Yarnall Memorial in memory of my father, Charles Yarnall.'"

#### **F. B. GUMMERE LIBRARY FUND**

Founded in 1920 by gift of \$635.47, raised among the students by the Students, Association of the College as a memorial to Professor Francis Barton Gummere. The income only is to be used to buy for the Haverford College Library books on the subjects that he taught or was interested in.

The student's Association voted also to raise twenty-five dollars for a special shelf in the Library to be known as the "F. B. Gummere Memorial Shelf." This shelf, with its proper inscription, holds the books purchased by this fund. Present book value, \$612.30.

## **EDMUND MORRIS FERGUSSON, JR., CLASS OF 1920 MEMORIAL FUND**

Founded in 1920 by memorial gift of \$1,000 from the family of Edmund Morris Fergusson, Jr., Class of 1920, who died at the College in his Senior year. The income only is to be used for the maintenance and increase of the Library's Department of English and American Literature. The books purchased with the income of this fund are marked by a special book-plate indicating its source. Present book value, \$965.80.

## **CLASS OF 1888 LIBRARY FUND**

Founded Sixth Month 15, 1938, by gifts totaling \$5,250 from members and families of the Class of 1888, on the occasion of their fiftieth anniversary. The conditions of the gift are as follows:

- (1) A fund is to be established, to be known as "THE CLASS OF 1888 LIBRARY FUND."
- (2) The income only of this fund is to be used exclusively for the purchase of books for the Haverford College Library, except as noted below (in Clause 6).
- (3) The fund established now will be added to later by gift or bequest.
- (4) Members of the Class also expect to donate books to the Library, with the understanding that when such books are duplicates of books already in the Library, they may be exchanged for books needed, or sold, and the money so obtained used in the same way as the income of the fund.
- (5) All books purchased by the income of the fund (or obtained as in 4) are to be provided with a special book-plate to be furnished by the Class.
- (6) Income from the Class Fund or moneys obtained by sale of duplicate books may, when necessary, be used for binding or repair of books designated as belonging to the Class collection. Additional donations were made as follows: \$500 in 1939-40; \$100 in 1943-44; \$500 in 1944-45 and \$200 in 1945-46. Present book value \$6,341.02.

## **CLASS OF 1918 LIBRARY FUND**

Founded Third Month 24, 1938 by gift from the Class of 1918 in commemoration of their twentieth anniversary. The gift was \$1,753.52 of which \$500 was spent for a portrait of the late Rayner W. Kelsey, Professor of History, who died Tenth Month 29, 1934; and the balance of \$1,253.52 was used in establishing a new Library Fund, the income to be used for books. Present book value, \$1,207.83.

## **QUAKERIANA FUND**

Founded 1st Month 8, 1947, by gift of \$600 from President Emeritus William Wistar Comfort '94, as explained in letter from him as follows: "In 1940 some Alumni gave me a sum of money to buy books for myself. This I have done, and now there remains \$600 which I wish to make over to the Corporation, the interest of which may provide books or manuscripts for the Quaker collections. As a compliment to the donors of the fund, I should like the enclosed bookplate to be inserted in such future purchases."

## **FUNDS FOR PENSIONS**

### **PRESIDENT SHARPLESS FUND**

Founded in 1907 by contributions from interested friends of the College, finally amounting to \$40,000. Present book value, \$39,733.67. The income is to be used for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.



### **WILLIAM P. HENSZEY FUND**

Founded in 1908 by gift of \$10,000 from William P. Henszey, donated in connection with the raising of the President Sharpless Fund, but kept as a separate fund. Increased in 1909 by legacy of \$25,000 from William P. Henszey. Present book value, \$35,418.53. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

### **JACOB P. JONES BENEFIT FUND**

Founded in 1909 and increased in 1910 by proceeds of land sold for account of Jacob P. Jones legacy. Present book value, \$65,630.50. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

### **PLINY EARLE CHASE MEMORIAL FUND**

Founded in 1909 by transfer to the College of a fund raised in 1887 in memory of Professor Pliny Earle Chase, and amounting to par value of \$4,173.04. The income of this fund is used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. This income is transferred annually to the Haverford College Pension Fund, for old style pensions, or, if not needed for pensions, is capitalized in said fund. Present book value, \$3,152.93.

### **HAVERFORD COLLEGE PENSION FUND**

Founded in 1920 and added to since, being accumulations of income from the President Sharpless Fund, the William P. Henszey Fund, the Jacob P. Jones Benefit Fund and the Pliny Earle Chase Memorial Fund, not needed for pensions. Present book value, \$107,955.98. The income from this fund, together with the income from the four above-mentioned funds, is used for old style pensions. Income not needed for pensions was capitalized until 1932; then any unused income was used toward the College's share in cost of new contributory pensions with the Teachers' Annuity and Insurance Association. Now the old style pensions call for more than the income of all these Pension Funds. When the proper time comes in an actuarial sense, the principal of this fund can be used as well as the income for the old style pensions until they cease.

### **FUNDS FOR SPECIAL PURPOSES**

#### **THOMAS SHIPLEY FUND**

Founded in 1904 by gift of \$5,000 from the late Samuel R. Shipley as a memorial to his father, Thomas Shipley. Present book value, \$5,056.68. The income only to be used for lectures on English Literature at the College. In case of actual need, at the discretion of the President of the College, the income can be used for general expenditures.

#### **ELLISTON P. MORRIS FUND**

Founded in 1906 by gift of \$1,000 from Elliston P. Morris, '48. The income is to be used as a prize for essays to be written by students on the subject of Arbitration and Peace. "The Elliston P. Morris Prize" of \$40 is given in each year, the competition being open to all undergraduates and to graduates of not more than three years' standing.

In 1929, it was determined, with the consent of the family of Elliston P. Morris, that when the prize is not awarded the income may be used for the purchase of library books on arbitration and peace. Present book value, \$1,085.68.

### **JOHN B. GARRETT READING PRIZE FUND**

Founded in 1908 by a gift of \$2,000 par value of bonds by the late John B. Garrett, '54. It was the purpose of the donor to ensure the permanence of a prize or prizes for Systematic Reading, which he had given for a number of years. The prizes were not awarded from 1922 to 1939 on account of default of the bonds. Reorganization has resulted in 1939 in sufficient recovery of value to provide again for this prize. Present book value \$2,189.40.

### **SPECIAL ENDOWMENT FUND**

Founded in 1909 by gift of \$12,000 par value of bonds, book value \$11,800, from an anonymous donor. The income only of this fund to be used "to furnish opportunity for study of social and economic and religious conditions and duties connected therewith, especially from a Christian point of view." The income is used toward the expenses of Summer Schools for Religious Study, which have been held at Haverford and Swarthmore Colleges from time to time, and also for religious education under Friends' care.

On Fifth Month 16, 1930, the Managers adopted the following amendment, made at the suggestion of the donor, now revealed to be John Thompson Emlen, 1900: "If, however, it shall in the course of time be deemed advisable by the President and the Managers that the income of this fund can be used more profitably by the College for other purposes than those herewith stated, it is my desire that they shall act in accordance with their judgment." Present book value, \$8,890.67.

### **SCHOLARSHIP IMPROVEMENT PRIZE FUND**

Founded in 1913 by gift of \$2,000 par value of bonds, book value, \$1,200, from John L. Scull, '05. Present book value, \$2,213.14. The income only to be used to establish two prizes of \$50 and \$45 annually to the two students in the graduating class showing the most marked and steady improvement in scholarship during their college course.

### **ELIZABETH P. SMITH FUND**

Founded in 1915 by bequest of \$1,000 from Elizabeth P. Smith. Present book value, \$1,680.48. The income only to be used as a prize for the best essays on Peace written by students of the College.

### **S. P. LIPPINCOTT HISTORY PRIZE FUND**

Founded in 1917 by gift of \$2,500 par value of bonds, book value, \$2,546.88, from beneficiary of the estate of S. P. Lippincott, '86. The income only to be used as an annual history prize, which is designated "The S. P. Lippincott History Prize." The award is to be made on the basis of a competitive essay. In any year when no award is made, the income is to be used for the purchase of library books in the field of the unawarded prize. Present book value, \$2,454.02.

### **FRANCIS STOKES FUND**

Founded in 1919 by gift of \$5,000 in securities, book value, \$5,000, from Francis J. Stokes, '94, in memory of his father, Francis Stokes, of the Class of 1852, and a Manager of Haverford from 1885 until his death in 1916. The income is to be used for extending the planting of trees and shrubs on the College grounds. The wish is expressed, but not as a binding condition of the gift, that the Campus Club should have the direction of the expenditure of this income. Present book value, \$4,933.63.

### **GEORGE PEIRCE PRIZE FUND**

Founded in 1919 by gift of \$600, and increased in 1920 by further gift of \$400 from Harold and Charlotte C. Peirce in memory of their deceased son, George Peirce, '03. Present book value, \$2,571.04. The income only is to be used for a prize, to be called the George Peirce Prize in Chemistry or Mathematics, to the student who, in the opinion of the Faculty, has shown marked proficiency in either or in both of these studies and who wishes to follow a profession which calls for such preparation. Unused income is capitalized, as requested by the founders of the fund. Present book value, \$2,571.04.

### **LYMAN BEECHER HALL PRIZE FUND**

Founded in 1924 by donation of securities of par value, \$2,000, book value, \$1,820, from the Class of 1898 in commemoration of their 25th anniversary of graduation to establish an annual prize of \$100 in Chemistry in honor of Doctor Lyman Beecher Hall, Professor of Chemistry at Haverford College from 1880 to 1917. Present book value, \$2,076.43.

### **NEWTON PRIZE FUND**

Founded in 1925 by donation of five shares of General Electric Co. stock by A. Edward Newton, par value, \$500, and book value, \$1,348.25. The income only is to be used for "The Newton Prize in English Literature to the undergraduate who shall submit the best essay on some subject connected with English literature." In 1930, the award was changed to be on the basis of Final Honors, and in any year when no award is made the income is to be used for the purchase of library books in the field of the unawarded prize. Present book value, \$1,346.79.

### **EDWARD B. CONKLIN ATHLETIC FUND**

Founded in 1925 and added to in 1926, 1927 and 1929 by Frank H. Conklin, '95, in memory of his brother, Edward B. Conklin, '99. Present book value, \$2,312.51. The income is to be used without restriction in any branch of athletics

### **ARBORETUM FUND**

Founded in 1928 by setting aside \$5,000 from proceeds from sale of 5.811 acres of land on the southern boundary and southeast corner of the College farm. Until otherwise ordered by the Managers, the fund is to be invested and the income only is to be used under the direction of the Campus Club for trees and shrubs upon the College grounds, or for their care, or for other similar purposes. Present book value, \$4,420.49.

### **WILLIAM ELLIS SCULL PRIZE FUND**

Founded in 1929 by William Ellis Scull, '83, by a gift of \$2,000. The income is to be used annually, so long as the Managers may judge expedient, as a prize to be awarded at Commencement by the Faculty to that upper classman who in their judgment shall have shown the greatest improvement in voice and the articulation of the English Language. The prize is to be known as "The William Ellis Scull Prize." Present book value, \$1,927.09.

### **C. WHARTON STORK ART FUND**

In First Month, 1930, C. Wharton Stork, of Class of 1902, donated to the Corporation securities of a then value of \$69,000 on account of a contemplated gift for the purpose of erecting, equipping, and furnishing an Art Museum at the College. Purchases were made by C. Wharton Stork of paintings, which are hung in the Library. This fund is to be liquidated and is not included in the total of the funds.



### PAUL D. I. MAIER FUND

Founded Tenth Month 7, 1936, by bequest of \$1,000 from Paul D. I. Maier, '96, of Byrn Mawr, Pa. The bequest provides for the continuance of the Class of 1896 Prizes of \$10 each in Latin and Mathematics, and any balance of income is to be used for general purposes. Present book value, \$963.54.

### STRAWBRIDGE OBSERVATORY MAINTENANCE FUND

Founded Second Month 13, 1937, from donations of \$5,627.37 from members of the Strawbridge family, being the amount in excess of the actual cost of the rebuilding and reequipment of the William J. Strawbridge, '94, Memorial Astronomical Observatory. The income is used for the maintenance and equipment of the observatory. The principal can be used for additional equipment, if so determined by the Board of Managers. In 1938 and 1939 an astrographic camera was so purchased at a cost of \$1,787.83. Present book value \$3,699.55.

### JACOB AND EUGENIE BUCKY MEMORIAL FOUNDATION

Founded Sixth Month 4, 1942 by gift of \$2,000.00 from Colonial Trust Company of New York and Solomon L. Fridenberg of Philadelphia, co-trustees under the will of Eugenie Bucky, deceased (late of New York), the income only to be used. At the same time accumulated income of \$2,000.00 was also donated as Bucky Foundation Gift, this amount to be available for use for the same purposes as the income of the Foundation. Extracts from Mrs. Bucky's will and codicils in reference to the purposes of the Bucky Foundation are here made as follows:

"The purpose or object of such a Foundation or Fund is and shall be for the encouragement of them who seek new truths, and who endeavor to free and clear from mystery and confusion our knowledge concerning God<sup>1</sup>; and thereby to enforce more effectively the common laws of mutual love and obligation, peace and goodwill, between and among our several creeds, races, nations, and markets.<sup>2</sup>

"My aim, intention, purpose and object is to help in promoting piety among men, enlightening their ignorance and bettering their condition, by making more and more extensive and by spreading among the public at large not only the preaching but also the practicing of the words of the . . . American motto 'In God We Trust' and of the . . . Preamble to the Constitution for the United States of America. I believe and therefore I aim, intend and purpose that the uplifting of men, women and children to the standard of life taught in the Scriptures and the Constitution for the United States of America is indeed the work of Charity, dispels ignorance, inculcates generous and patriotic sentiments, and fits the public groups and the individual men or women for their good usefulness in the American Commonwealth."

1. Associated with the American motto "In God We Trust."

2. Associated with the Preamble of the Constitution for the United States of America—"to form a more perfect union, establish justice, insure domestic tranquility, provide the common defense, promote the public welfare, and secure the blessings of liberty to ourselves and our posterity."

In 1945-1946 a further gift of \$1,000 from the Trustees was added to the fund. Unused income, if any, has also been capitalized. Present book value, \$4,205.44.

### MATHEMATICS DEPARTMENT PRIZE FUND

Founded May 20, 1943 from gifts totaling \$900.00 of members of the Mathematics faculty and others. A further gift of \$125 was made in 1943-44. The unused income is added to principal. This capitalized the annual prizes that had been given by the Mathematics professors for many years.

The Mathematics Department Prizes for freshmen, \$25.00, are awarded annually, in competition, by examination. Present book value, \$1,170.19.

## WILLIAM T. ELKINTON FUND

Founded Ninth Month 6, 1944, by bequest from William T. Elkinton, of Philadelphia, arising from a Trust set up by him during his lifetime. The principal was \$2,491.50 and income received, \$11.11, a total of \$2,502.61. After the death of a life beneficiary, the Trust provided: "to pay over, assign and transfer one of said equal parts unto the Corporation of Haverford College (a corporation of the State of Pennsylvania); the principal fund thus passing to said Corporation to constitute a part of such endowment as may be established at Haverford College as a fitting memorial of Friends' relief work abroad, which memorial 'should foster the peaceful relations of the United States with foreign countries by acquainting our youth with the principles of European governments and with international problems'; provided however, that if no such Endowment should be established at Haverford College prior to the expiration of one year after the principal of the Fund hereby conveyed becomes distributable under the provisions of this deed, the said one-third part of the fund hereby conveyed shall be devoted by the Corporation of Haverford College for such other purpose as the Trustees acting hereunder, their survivor or successor, shall designate, preferably for the furtherance of education in some form at Haverford College or for providing assistance in the form of scholarships to promote education."

In accordance with a suggestion from President Morley, concurred in by Thomas W. Elkinton representing the Trustees, the Managers voted on Ninth Month 22, 1944, that "the income until otherwise directed, is to be used for traveling and other expenses in the attendance at intercollegiate conferences for discussion of international problems by representatives of the International Relations Club at Haverford." The Trustee further stated "as long as the activities of the Club are closely related to 'acquainting our youth with the principles of European governments and with international problems,' the use of the income by the Club would be satisfactory."

## TILNEY MEMORIAL FUND

Founded in First Month, 1945, by gifts totalling \$2,000 by I. Sheldon Tilney, 1903, in memory of his parents, John S. and Georgiana E. Tilney. The income is to be used "to try to influence the student body towards a more religious viewpoint of life." Permission was also granted by the donor that "the income may be used also in connection with a scholarship for students in the field of Philosophy or Biblical Literature."

In 1945-1946 the fund was increased to \$5,000, by gifts of \$1,000 from Georgiana S. Kirkbride and \$2,000 from Robert W. Tilney, sister and brother of I. Sheldon Tilney. Present book value, \$5,000.

## CLASS OF 1902 LATIN PRIZE FUND

Founded Second Month 2, 1945, by gift from Class of 1902 of \$142.90, being proceeds of sale of security formerly purchased and held by the Class to perpetuate a Latin Prize of \$10 annually at Haverford. The Class had donated the income for this prize since 1913. An unused balance of \$39.00 of such donations was transferred to the income account of this fund.

## CLASS OF 1898 GIFT

Founded Sixth Month 12, 1948, by contributions totaling \$6,100 from members of the Class of 1898 as a 50th Anniversary Gift of their graduation. The conditions of the gift were "For a period of 25 years the income only produced by the fund is to be used to pay the expenses of lectures at the College by qualified persons on such subjects and at such times as the President of the College, with the advice of the Faculty, may think best, including at the



discretion of the President, conferences between the lecturers and the students. After August 31, 1973, the income and/or principal of the fund, may, at the discretion of the Board of Managers, be used for any purpose in connection with the College."

#### **EDMUND J. LEE MEMORIAL AWARD FUND**

Founded Eighth Month 31, 1948, by donations totalling \$906.50 from members of the Class of 1943 on the occasion of their Fifth Reunion. The Class desired "to perpetuate the memory of Edmund Jennings Lee, 2nd, its sole member killed in the past war, and to stimulate in the College that spirit of service for which he was known.

"The proceeds from the invested fund shall be used to establish an annual award to be known as the Edmund J. Lee Memorial Award to be awarded annually beginning in 1949, to the recognized undergraduate organization which has contributed most toward the furtherance of academic pursuits, extracurricular activities, spiritual growth, or college spirit, in individuals or in the College as a whole during the year. The Award is to be used by its recipient in continuing to render such service."



## STATED MEETINGS OF THE CORPORATION AND THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth Month, at 3 o'clock p.m.

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The Stated Meetings of the Managers for 1947-48 will be held on the second Sixth-day of First and Third Months, and on the third Sixth-day of Fifth, Ninth and Eleventh months.

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### LEGACIES

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

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#### FORM OF BEQUEST OF PERSONAL PROPERTY

*I give and bequeath, free and clear of all estate, inheritance or other similar taxes, unto the Corporation of Haverford College, the sum of*

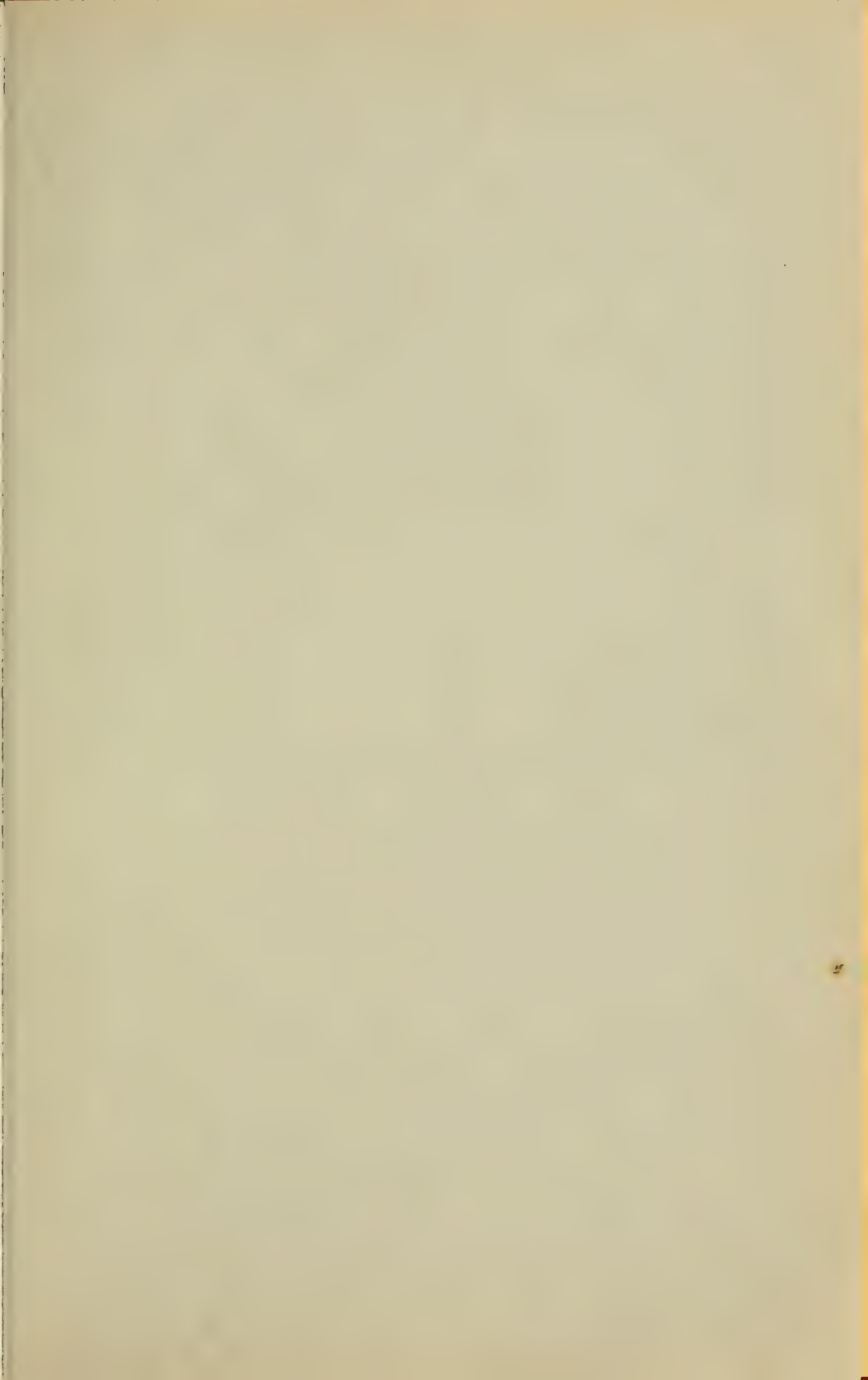
.....Dollars.

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#### FORM OF DEVISE OF REAL ESTATE

*I give and devise, free and clear of all estate, inheritance or other similar taxes, unto The Corporation of Haverford College, its Successors and Assigns, in fee, the following described real estate: (Here describe the real estate.)*







Issued June, October, November, December  
by Haverford College, Haverford, Pennsylvania

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Office at Haverford, Pa., under the Act of August 24, 1912













